



BITE5

Battery tester

USER MANUAL

Notice

The information presented in this manual is believed to be adequate for the intended use of the product. If the product or its individual instruments are used for purposes other than those specified herein, confirmation of their validity and suitability must be obtained from Megger. Refer to the warranty information below. Specifications are subject to change without notice.

WARRANTY

Products supplied by Megger are warranted against defects in material and workmanship for a period of 1 years following shipment. The warranty is void in the event of abuse (failure to follow recommended operating procedures) or failure by the customer to perform specific maintenance as indicated in this manual.

400 Opportunity Way,

Phoenixville,

PA, 19460

610-676-8500 (Telephone)

610-676-8610 (Fax)

www.megger.com

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Introduction

Thank you for your purchase of the Megger BITE5 Battery Tester. Be assured that your unit has been designed with emphasis on reliability, simplicity, and ease of use. It will provide you with the information you need to reliably test batteries.

Purpose of this manual

This document is the operator manual for the Megger BITE5 Battery Tester. It provides a description of the operation of the unit as well as operating instructions. Read this manual before installing or using the equipment. Special emphasis should be placed on all safety discussions.

Audience

This manual is written for technical personnel who are familiar with the various measurements performed by volt meters and current meters and have a general understanding of their use and operation. Such personnel should also be thoroughly familiar with the hazards associated with the use of this equipment and should have received proper safety training.

If you find any discrepancies in the BITE5 or have any comments, please send them to Megger via fax, e-mail, or phone.

Megger 400 Opportunity Way, Phoenixville, PA, 19460 Attn: Customer Service

Fax: (214) 331 7397

E-mail: USTechSupportGrp@megger.com

For Technical Support, please consult the Megger Web Site at www.megger.com for the local distributor near you.

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Items received

Items received

Qty	Description	Image
1	BITE5 Battery Tester	Wegger Image:
1	Duplex Probes	
1	Voltage Leads	
1	Charger	
1	Micro SD Card	SanDisk 8cs mgg e
1	Micro SD Card Reader	
1	Mini USB Cable	
1	Neck Strap	
1	Zero Bar	
1	Stylus	C Cope
Optional	AC/DC CT	A REAL PROVIDENCE
Optional	TC solo CA	

Items received

Qty	Description	Image
Optional	11.75 mm (¼") Tip Concentric Probes	
Optional	25.4 mm (1") Tip Concentric Probes	

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Warnings and safety precautions

Safety

Warnings and safety precautions

WARNING!



Death, serious injury, or fire hazard could result from improper use/installation of this instrument. Read and understand this manual before installing this instrument.

Installation of this instrument MUST be performed in compliance with the National Electric Code and any additional safety requirements applicable to your installation.

Installation, operation, and maintenance of this instrument MUST be performed by qualified personnel only. The National Electrical Code defines a qualified person as one familiar with the construction and operation of the equipment and the hazards involved.

Safety Precautions

The following safety precautions MUST be taken whenever the instrument is installed:

- Wear safety glasses and insulated gloves when making connections to power circuits
- Hands, shoes, floor/ground must be dry when making any connection to a powered line

These warnings and safety precautions are to be used where appropriate when following instructions in this manual.



CAUTION!

The equipment could be impaired from improper use. Read the complete manual before use.



WARNING!

The equipment should not be used while its battery door is removed or if there is any visible damage to the case or if the hardware holding the unit together has been loosened.

Technical Specificaions

Power supply	
AC charging adapter	Input 100 – 240 V AC (50/60 Hz)Output 12 V DC at 2.5 A
Battery pack	Li-Ion rechargeable pack > 5.2Ah Voltage rating 7.2V Charge time 4 hrs Battery life > 8 hrs 300 charge/discharge cycles
Mechanical specifications	
Dimensions	240 x 160 x 65 mm 9.45" x 6.30" x 2.56"
Weight	0.9kg 1.98lbs
Shock and vibration	EN61010-1
Ingress/protection	IP54 EN60529 Electric IP2X terminal
Operating specifications	
Operating temperature	0 ~50 °C 32~122 °F
Storage temperature	-20 ~50 °C -4~122 °F
Charging temperature	10 ~40 °C 50~104 °F
Altitude	Operational 0 ~ 2000 m
Relative humidity	10 ~ 85 % NC
Safety specifications	
CAT rating	600V CAT III, Pollution Degree 2
Standards	IEC61010-1:2010 (3rd Ed) EN61010-1:2010 (3rd Ed) IEN61326-1:2013 EN55011/A1:2010 (Class A) EN61000-3-2:2014 EN61000-3-3:2013
Markings	Double Insulated CE UKCA
Record capacity	
Memory	16 M Flash Storage
Impedance record	Max 1000 records
VA record	Max 512 records

Technical specifications

Electrical specifications		
Internal impedance		
Range	Resolution	Accuracy
3 mΩ	1 μΩ	+/- 1 % of reading +/- 10 digits
30 mΩ	10 μΩ	+/- 0.8 % of reading +/- 10 digits
300 mΩ	100 μΩ	
3 Ω	1 mΩ	
30 Ω	10 mΩ	
300 Ω	100 mΩ	
Voltage DC/AC		
Range	Resolution	Accuracy
5 V DC	0.00 1 V	+/- 0.5 % of reading +/- 5 digits
50 V DC	0.0 1 V	
500 V DC	0.1 V	
1000 V DC	1 V	
5 V AC	.001 V	+/- 0.75 % of reading +/- 5 digits (40 Hz – 100 Hz)
50 V AC	0.01 V	
500 V AC	0.1 V	
600 V AC	1 V	
Current DC/AC		
Range	Resolution	Accuracy
4 A DC	0.001 A	+/- 0.5 % of reading +/- 5 digits + (CT Tolerance)
40 A DC	0.01 A	
400 A DC	0.1 A	
1000 A DC	1 A	
4 A AC	0.001 A	+/- 0.75 % of reading +/-10 digits + (CT Tolerance)
40 A AC	0.01 A	
400 A AC	0.1 A	
1000 A AC	1 A	
Temperature		
Range	Resolution	Accuracy
10 °C ~ 100 °C		
50 °F ~ 212 °F	0.1 °C	+/-1 °C +/- 2 digits
Ripple Voltage		
Range	Resolution	Accuracy
0 - 5 V	0.001 V	+/- 0.5 % of reading +/- 10 digits (40 Hz – 10 KHz)

Accuracy specifications assume an ambient temperature of 18 °C to 28 °C, stable within +/-1 °C and a warm-up time of 30 minutes.

Connections and controls

Connections





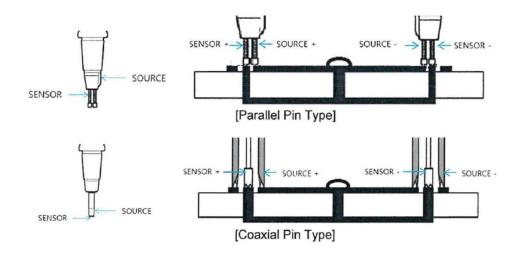
Zero adjustment

For accurate ohmic measurements, it is recommended that a zero adjust is performed when changing probes.

To perform a zero adjust, use the included zero bar.



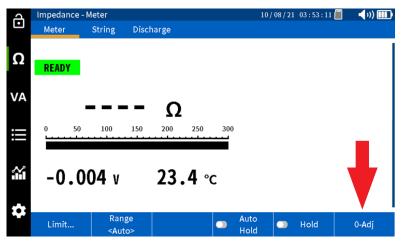
When performing a zero adjustment, place the source pin on the outer copper surface of the zero bar and place the sensor pin in one of the holes of the zero adjust bar.



Configuration of BITE5

Zero adjustment procedure

Select "0-ADJ".

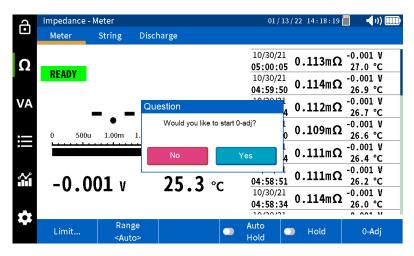


The BITE5 will prompt you to make a zero adjustment bar.

Select YES.

NOTE: Place the probes on the zero adjustment bar as shown within 10 seconds of selecting YES, or the BITE5 will time out.

This zero adjustment will begin. Hold probes on zero bar until adjustment is complete.



Operation

Configuration of BITE5

The BITE5 allows you to customize the unit for your needs. You can set the desired language, the date and time format, the screen brightness setting, a unit and display auto off time out, temperature format, and the desired buzzer volume. This screen also allows you to format the micro SD card and reset the unit to defualt conditions.

CONFIGURATION ICON

To configure the unit, select the CONFIGURATION ICON.

6	Impedance - M	leter			10/0	8/21 03:53:11	📕 🚽 v) 🎹
Ŀ	Meter	String D	ischarge				
Ω	READY						
VA	-		Ω				
: ::::::::::::::::::::::::::::::::::::	0 50	100 15	0 200 250	300			
» •	-0.0	0 4 v	23.4 •	с			
*	Limit	Range <auto></auto>			luto Iold	🗩 Hold	0-Adj

Under the impedance tab, the temperature measurment scale can be selected (Celcius or Fahrenheit). On the BITE5-SE model the display units can be set to either Ohms or Siemens. This will allow the measured values and displayed data to be viewed in either Ohms or Siemens.

Then select the "Etc" tab.

Ŀ	Setting				10	0/15/21 23:50:49 📒	📕 📢 🗤 🛄	ð	Setting				05/19/23 12:43:31 📒	4 9) 🎹
Ŀ	Impedance	Etc							Impedance	Etc				
0	Meas.							S	Display Unit					
Ω	Temperature		Celsius	•				3	Display Unit		Siemens	▼		
VA								VA	Meas.					
VA								VA.	Temperature	e	Celsius	•		
=								≣						
-								•—						
~														
\$								\$						

This screen allows you to customize the settings of your BITE5.

ĉ	Setting			08 - 24 -	21 04:55:07	· 🗐 🖇 📣)
Ŀ	Etc						
Ω	Display			System			
52	Language	English	▼	Time	Т	ime	
VA	Date Format	mm-dd-yy	▼	Buzzer		2	•
	Brightness	10	•	Auto P.Off	60) min	•
	Display Off	OFF	•	BT Printer	ON		▼
~				SD Card	Fc	rmat	
ĩ				Reset Settings	R	eset	
t					FW Version : Build Time : Serial Num :	1.0.0.12600 Jul 14 2021 12:2 KR1020521012	18:26

From this screen you can select the following:

Language	Set the instrument language
Date format	Select the desired date format

Configuration of string

Brightness	Set the brightness setting of the display screen
Display off	Set a display time out. After an amount of time of no activity, the display will turn off. Simply touch the screen to re-activate the display
Time	Set the date and time of the instrument
Buzzer	Set the volume of the buzzer or disable it
Auto P. off	Set a unit power off time out. After an amount of time of no activity, the instrument will turn off
BT printer	Enable or disable the optional bluetooth printer
SD card	Format the micro SD card. NOTE: This will cause all data and configurations to be erased
Reset settings	Resets the instrument settings to default factory settings

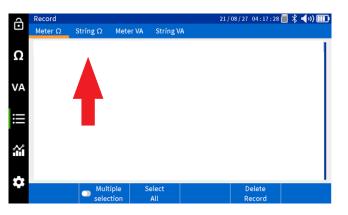
Configuration of string

The BITE5 allows you to configure strings. The configuration allows you to assign the string a name, input the type of battery, the number of batteries, and the model of the battery. In addition, you cen enter baseline reference data as well as warning and alarm limits.

To configure a new battery string press the RECORD ICON.



Select "String Ω ".



Select "Add..."

ĉ	Record				21/0	08/27 04:18:01	📕 🖇 ┥ w) 🎟 🕨
Ŀ	Meter Ω	String Ω	Meter VA	String VA			
	Select string	ι.					
Ω	MEGGER		L	ead Acid 100 Ah	ANTIMONY 6 Cell	2.200/2 03.25/04.00	
			L	ead Acid	TEST	2.200/2	
VA	MEGGER			100 Ah	6 Cell	03.25/04.00	
≣							
.			_				
-							
~	Select		E	dit			Delete String

This will open the String Configuration screen.

ĉ	Record				21 / 08 / 27	04:18:29	🔳 🖇 ┥ 🗤 💷 🕨
	Meter Ω	String Ω Me	eter VA Str	ring VA			
Ω	New/Edit St	ring					
32	ldx	003 🔻	Name	MEGGER			
VA	Туре	Lead Acid 🔻	Model	ANTIMONY			
	Cell	006	Capacity	0100	Ah 🔻		
	Ref Ω	03.25	mΩ▼	Ref V	2.20	0 v	
~	Upper1	04.00	mΩ▼	Lower	2.00	0 v	
	Upper2	05.00	mΩ▼				
						Ok	Cancel

When the setting are complete, select OK to save the string configuration.

D (
Perfor	mina	an	Imped	lance	test
		M 11	mpco		

ldx	Sets an index number for the string in the BITE5. This is set automatically. It can be set manually if desired
Туре	Select the type of battery to be tested:
	Lead acid
	Ni-CD
	Ni-MH
	Li-ion
	Li-poly
Cell	Cell
Name	Name of string
Model	Model number of batteries
Capacity	Battery capacity in Ah or mAh
Ref Ω	Baseline reference value
	On the BITE5-SE model, this value can be in either ohms or Siemens
Warning	Warning upper ohmic limit
	On the BITE5-SE model, this value can be in either ohms or Siemens
Alarm	Alarm upper ohmic limit
	On the BITE5-SE model, this value can be in either ohms or Siemens
Ref V	Cell float voltage
Lower	Low voltage limit

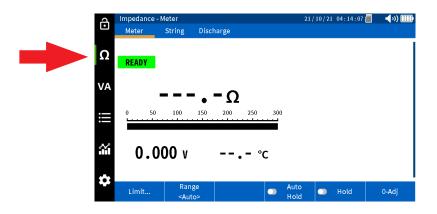
Performing an impedance test

In the ohm mode, the BITE5 will record and save voltages, impedance values and temperature. These measurements can be performed on individual cells or sequentially on battery strings. These measurements can be taken on any individual battery up to 200 V DC.

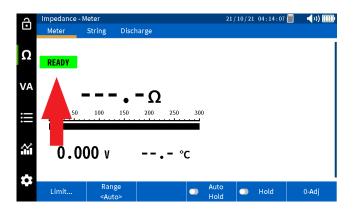
Operation: Measuring and saving individual battery measurements.

Connect the impedance leads to the input connector of the BITE5.

On the BITE5 select " Ω ".



Select "Meter".



Performing an impedance test

Select "Limit" if you would like to program impedance and voltage limits for the measurement.

This screen will allow you to program a warning and alarm limit for the impedance value and a lower limit for the voltage. This is an optional step. Select OK when done.

Note this feature can be disabled as well by selecting OFF.

ð	Impedance -	Meter			21,	/ 10 / 21 04 : 21 : 41 🚪	 ()) IIII)
•	Meter	String	Discharg	e			
Ω							
		Edi	t Battery Li	mit			
VA		Wa	rning	09.00	mΩ▼		
		Ala	rm	12.00	mΩ▼		
iii		Lo	wer	10.50	v		
4			OFF	Cancel	Ok		
\$							

Start testing by place the probes across the battery.

The BITE5 will beep when the measurement is complete.



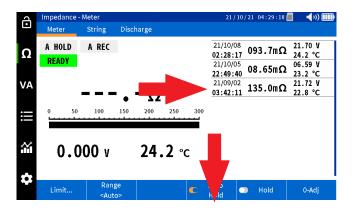
Performing an impedance test on a battery string

Press "Hold" to freeze the value on the screen.

ĉ	Impedance -	Meter		2	1/10/21 04:24:58	: 📶 📢 🗤 🛄
Ŀ	Meter	String [vischarge			
Ω	MEASURE	I	HOLD			
VA			. 1 m Ω		_	
i	0 50.0r	n 100.0m 15	0m 200m 250m	300m		
∰ •	21.	70 v	23.6 •	Ċ		
	Limit	Range <auto></auto>		Auto Hold	C Hold	0-Adj

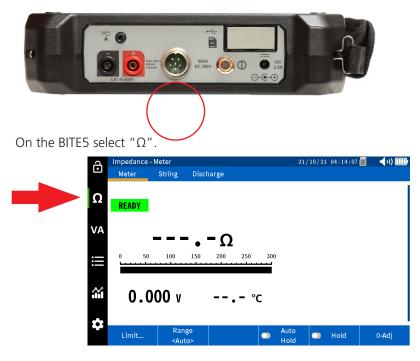
Automatic Saving of Values

Select "Auto Hold" and the BITE5 will automatically save any measurement with a date and time stamp.



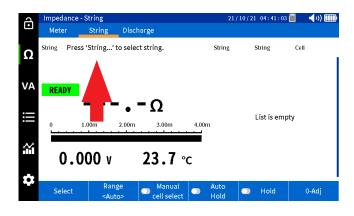
Performing an impedance test on a battery string.

Connect the impedance leads to the input connector of the BITE5.



Select "String".

Performing an impedance test on a battery string.



Select "Select".

Û	Impedance	- String		21/1	0/21 04:41:03	📕 📢 🗤 🏬
	Meter	String	Discharge			
Ω	String Pres	s 'String'	to select string.	String	String	Cell
VA	READY		·• - Ω			
iii ≯		1.00m	2.00m 3.00m	4.00m	List is emp	ty
÷		000 v	23.7 •			
	Sel ct	Ran <aut< th=""><th></th><th>Auto Hold</th><th>🗩 Hold</th><th>0-Adj</th></aut<>		Auto Hold	🗩 Hold	0-Adj

Select desired string. Select "New Test" to start a new test on the selected string. Select "Select Test" if you wish to continue a test that was already in progress.

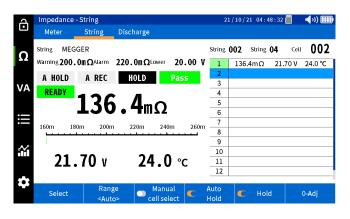
ð	Impedance	- String			21/10/21 04:41	l : 44 📕 🛛 📢 🌒 🎹
Ŀ	Meter	String	Discharge			
Ω	String Pres	Select Batte	ry String			Cell
		MEGGER		Lead Acid 100 Ah	ANTIMO 6 Cell	
VA	READY	MEGGER		Li-ion 100 Ah	LIION 12 Cel	
•—		NG STRING		Lead Acid 150 Ah	3CC7N 60 Cel	
III	0	NG PRINT		Lead Acid 100 Ah	ANTIMO 6 Cell	mpty
Ŷ		NG2		Lead Acid	ANTIMO 3 Cell	
	0.0		Cancel	Select Test	New Test	
\$	Select	Rang <auto< th=""><th></th><th>anual Auto I select Hold</th><th>- Hold</th><th>0-Adj</th></auto<>		anual Auto I select Hold	- Hold	0-Adj

Performing an impedance test on a battery string.

Start testing by placing the probes on the first cell in the string.

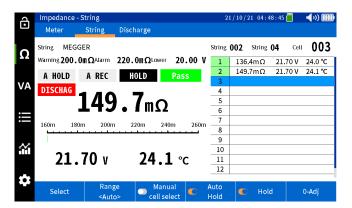
The BITE5 will beep when the measurement is complete and save the cell voltage, cell impedance, and cell temperature to memory automatically.

The results will be displayed on the screen.

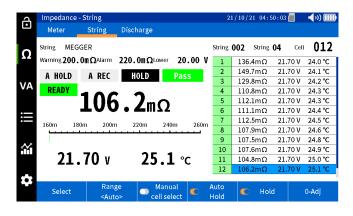


Move to the next battery in the string and take a measurement.

The recorded values will be displayed on the screen.



Continue taking a measurement of each cell in sequence on the string until you reach the last cell in the string.



Measuring and recording solar cell voltages and currents

Measuring and recording solar cell voltages and currents

In the VA/METER mode, the BITE5 will record and save voltages and currents with a date and time stamp. These measurements can include solar cells, combiner boxes, DC or AC panels, and UPS output or input voltages. The BITE5 will save values for any voltage up to 1000 V DC and 600 V AC.

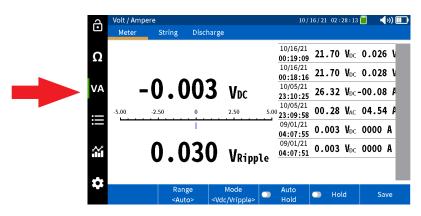
Operation:

Connect the voltage leads to voltage inputs of the BITE5.

If measuring current, then plug the CT into the BITE5 CT input.



On the BITE5 select "VA".



Select "Meter".

ð	Volt / Amp	ere				10/:	16/21 02:	28:13	<u> </u>)) 🔳
Ŀ	Meter	String	Discharg	e						
Ω						10/16/21 00:19:09	21.70	VDC	0.026	5 V
		• •				10/16/21 00:18:16	21.70	V _{DC}	0.028	3 1
VA		·0.0	03	Vdc		10/05/21 23:10:25	26.32	V _{DC} .	-00.08	3 4
i	-5.0	-2.50	0	2.50	5.0	10/05/21 23:09:58	00.28	V _{AC}	04.54	¥ #
-			1			09/01/21 04:07:55	0.003	V _{DC}	0000	A
$\boldsymbol{}$		0.0	30	Veinn	10	09/01/21 04:07:51	0.003	V _{DC}	0000	A
		•••		wkipp	le					
\$		Ranı <aut< th=""><th></th><th>Mode dc/Vripple></th><th></th><th>Auto Hold</th><th>🔵 Но</th><th>ld</th><th>Sa</th><th>ve</th></aut<>		Mode dc/Vripple>		Auto Hold	🔵 Но	ld	Sa	ve

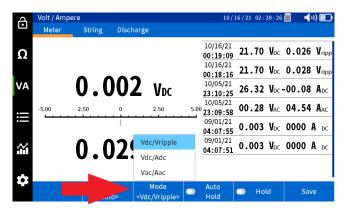
Measuring and recording solar cell voltages and currents

Select desired measurement.

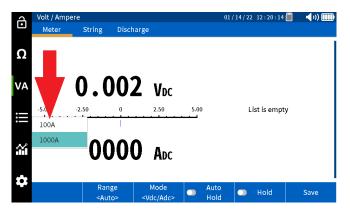
V DC and V ripple

V DC and Amps DC

V AC and Amps AC



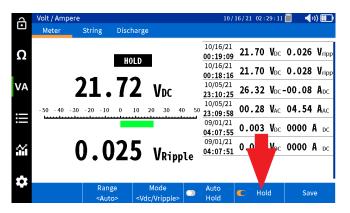
If using the CT set the correct range on the BITE5.



Take measurement.



Measuring and recording solar cell voltages and currents



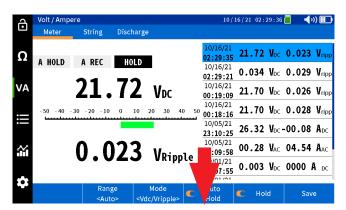
Press "Hold" to freeze the measurement on the screen.

Press "Save" to manually save the value with a date and time stamp.



Automatic saving of values

Select "Auto Hold" and the BITE5 will automatically save any measurement with a date and time stamp.



Measuring and battery string voltages and currents

Measuring and battery string voltages and currents

The BITE5 can be used to measure and record the DC voltage across the string, the ripple voltage, the DC float current, and the AC Ripple Current flowing through the string. These values will be saved to the selected string data and will have a date and time stamp.

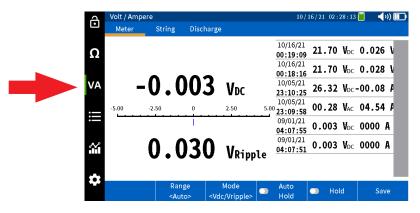
Operation:

Connect the voltage leads to voltage inputs of the BITE5.

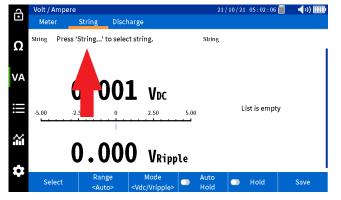
If measuring current, then plug the CT into the BITE5 CT input.



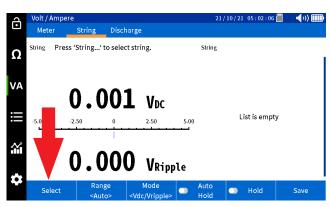
On the BITE5 select "VA".



Select "String".



Select "Select".



Select desired battery string, then press OK.

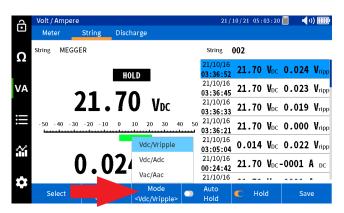
÷	Volt / Ampe	ere				21/10/21 05:02	: 55 📒	🚽 ()) 🎹
Ŀ	Meter	String	Discharge					
Ω	String Pres	Select Batter	y String]	
		MEGGER			ead Acid 100 Ah	ANTIMONY 6 Cell		
VA		MEGGER			Li-ion 100 Ah	LIION 12 Cell		
		5.00 NG PRINT		Lead Acid 150 Ah		3CC7M 60 Cell		
	-5.00			Lead Acid 100 Ah		ANTIMONY 6 Cell	hpty	
Ŷ		NG2			ad Acid	ANTIMONY		
				Can		Ok		
1					•			
	Select	Range <auto:< th=""><th></th><th>ode /ripple></th><th>Auto Hold</th><th>Hold</th><th></th><th>Save</th></auto:<>		ode /ripple>	Auto Hold	Hold		Save

Select desired measurement.

V DC and V ripple

V DC and Amps DC

V AC and Amps AC



Measuring and battery string voltages and currents

If using the CT, set the correct range on the BITE5.



Take measurement.

ð	Volt / Ampere					21/	10/21 05:	05:14	🗐 🚽)) 🎹
Ŀ	Meter	String	Discharge							
Ω	String MEGG	ĒR				String	002			
52				Pass		21/10/16 03:36:52	21.70	VDC	0.024	\bm{V}_{ripp}
VA	-	1	71			21/10/16 03:36:45	21.70	VDC	0.023	Vripp
	4	11.	71	Vdc		21/10/16 03:36:33	21.70	V _{DC}	0.019	Vripp
≣	- 50 - 40 - 30	-20 -10	0 10 2	20 30 40	0 50	03:36:21	21.70	V _{DC}	0.000	\boldsymbol{V}_{ripp}
Ŷ	T130BE					21/10/16 03:05:04	0.014	V _{DC}	0.022	Vripp
)0.	05	Adc		21/10/16 00:24:42	21.70	V _{DC} -	-0001	A dc
±						21/10/16		••		
	Select	Rang <auto< th=""><th></th><th>Mode dc/Adc></th><th></th><th>Auto Hold</th><th>🔵 Hol</th><th>d</th><th>Sav</th><th>e</th></auto<>		Mode dc/Adc>		Auto Hold	🔵 Hol	d	Sav	e

Press "Hold" to freeze the measurement on the screen.



Press "Save" to manually save the value with a date and time stamp.



Performing a discharge test

Automatic saving of values

Select "Auto Hold" and the BITE5 will automatically save any measurement with a date and time stamp.



Performing a discharge test

The BITE5 can be used in conjunction with the Megger Torkel discharge tester. Program the Torkel for the desired discharge test. Place the Torkel across the battery string and start the discharge test. The BITE5 can then be used to take manual measurements of the cell voltage throughout the discharge process.

In this mode, the unit will record the DC voltage of each cell as well as the DC current through the string if the optional Hall Effect CT is used.

Operation:

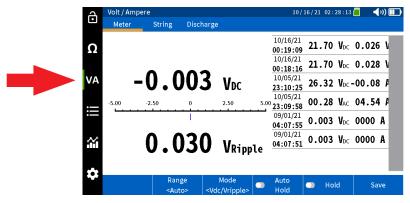
Connect the voltage leads to voltage inputs of the BITE5.

If measuring current, then plug the CT into the BITE5 CT input.

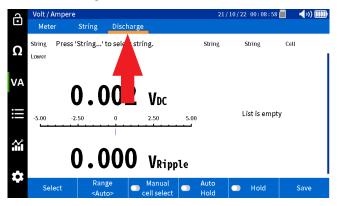


Performing a discharge test

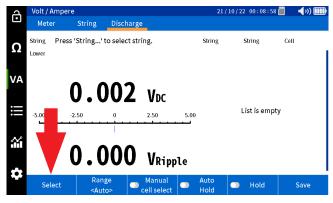
On the BITE5 select "VA".



Select "Discharge".



Select "Select".



Select desired battery string, then press OK.

ð	Volt / Ampe	re				21	1/10/22	00:10	: 14 🗐	4 0) 🎹
Ŀ	Meter	String	Discharge							
Ω	String Pres	Select Batte	ry String						Ce	u .
	Lower	MEGGER		l	Lead A 100 A		ANTIM 6 Ce	-		
VA		MEGGER			Li-io 100 A		LIIO 12 Ce			
		NG STRING		I	Lead A 150 A		3CC7 60 Ce	el		
III	-5.00	NG PRINT		I	Lead A 100 A		ANTIM 6 Ce	5	npty	
Ŷ		NG2			Lead A		ANTIM	-		
			••	Ca	ncel		Ok			
1					-					
	Select	Rang <auto< th=""><th></th><th>lanual Il select</th><th></th><th>Auto Hold</th><th></th><th>Hold</th><th></th><th>Save</th></auto<>		lanual Il select		Auto Hold		Hold		Save

Performing a discharge test

Choose whether to continue a previous test are start a new test under that string.

÷	Volt / Ampe	re 21,	/ 10 / 22 00 : 10 : 25 📶 💦 📢 🕦 🎹
•	Meter	String Discharge	
Ω	String Pres	Select Test	Cell
	Lower	17 21/10/16 12 mΩ 21.71 V	
VA		16 21/10/16 12 mΩ 21.70 V	
		15 21/10/16 12 mΩ 21.70 V	
	-5.00	14 21/10/16 12 mΩ 21.70 V	ipty
~		13 21/10/08 12 13	
		Continue	lew Test
		Range Manual Auto	
	Select	<pre>Auto Auto Auto Auto Auto Auto Auto Auto</pre>	Hold Save

If using the CT, set the correct range on the BITE5.

Ċ	Volt / /	Ampere					10/	16/21 03:	01 : 42	<u> </u>)))	
	Mete	er 🔄	String	Dischar	ge							
Ω	String	MEGG	ĒR				-	002				
				HOLD			10/16/21 00:24:42	21.70	V _{DC} .	-0001	A	DC
VA							10/16/21 00:24:38	21.70	V _{DC} .	-0001	A	DC
			21.	10	Vdc		10/16/21 00:24:34	21.70	V _{DC} .	-0001	A	DC
III	- 5 L	0 - 30	-20 -10	0 10	20 30	40 50	10/16/21 00:24:30	21.70	V _{DC} .	-0001	A	DC
\sim	1004						10/16/21 00:24:26	21.70	V _{DC} .	-0001	A	DC
	1004		00	01	Arip	nle	10/16/21 00:24:22	21.70	V _{DC} .	-0001	A	DC
							10/16/21		••		-	
	Stri	ng	Rang <auto< th=""><th></th><th>Mode <vdc adc=""></vdc></th><th></th><th>Auto Hold</th><th>🧲 Но</th><th>ld</th><th>Sa</th><th>ave</th><th></th></auto<>		Mode <vdc adc=""></vdc>		Auto Hold	🧲 Но	ld	Sa	ave	

Take measurement of the first cell. The DC voltage and DC current will be saved with a date and time stamp.

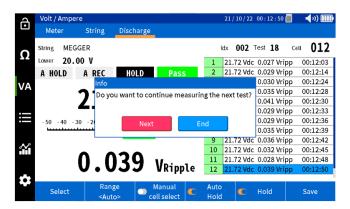


Take measurement of the each following cell. Each measurement shall be saved in sequence with a cell number, date and time stamp.



Performing an impedance and discharge test (special testing)

When the end of the string is reached, the unit will prompt the user to either end the test or select "next" to perform the next pass through the string.



Performing an impedance and discharge test (special testing)

The BITE5 can measure the voltage and temperature and impedance throughout a discharge test. Performing this test will allow the trending of the cell impedance throughout the discharge process. This will allow the operator to establish an ohmic value that correlates with the discharged battery. This value can then be set as the alarm (upper 2) limit for the string.

NOTE: This value will be associated with the internal impedance changes associated with sulfated plates. It may not correlate with other causes of cell aging such as plate corrosion.

In this mode the BITE5 will also measure the cell temperature during the discharge. The temperature will be taken off the negative plate. This will be valid only for sealed batteries. Flooded cells the temperature should be taken from the electrolyte.

Program the Torkel for the desired discharge test. Place the Torkel across the battery string and start the discharge test. The BITE5 can then be used to take manual measurements of the cell voltage throughout the discharge process.

In this mode, the unit will record the DC voltage of each cell as cell impedance and cell temperature.

Operation:

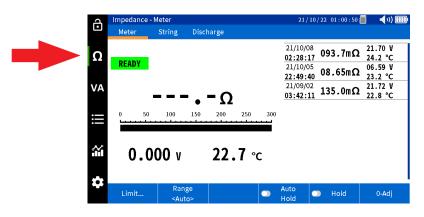
Connect the voltage leads to voltage inputs of the BITE5.

If measuring current, then plug the CT into the BITE5 CT input.

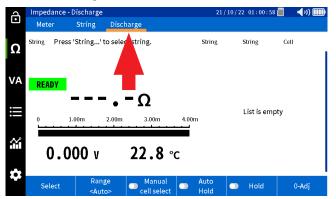


Performing an impedance and discharge test (special testing)

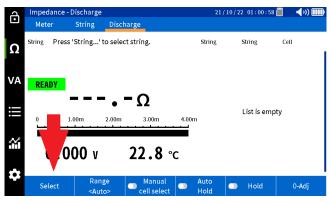
On the BITE5 select " Ω ".



Select "Discharge".



Select "SELECT".

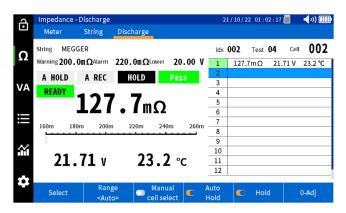


Select desired battery string, then either press "Select Test" to continue a test or select "New Test" to start a new test.

ĉ	Impedance	- Discharge				21/10/22 01:0)1 : 41 📶 🛛 🚽)) 💷)
Ŀ	Meter	String Dis	charge				
Ω	String Pre	Select Battery S	tring				Cell
		MEGGER		Lead 100		ANTIMO 6 Cell	
VA	READY	MEGGER		Li-i 100		LIION 12 Cel	
.—		NG STRING		Lead 150		3CC7N 60 Cel	
=	0 • • • •	NG PRINT	Lead 100		ANTIMO 6 Cell	mpty	
Ŷ		NG2		Lead		ANTIMO	
	0.(Ca	ncel	Select Tes	t	New Test	
1							
	Select	Range <auto></auto>		nual select	Auto Hold	🔿 Hol	d 0-Adj

Performing an impedance and discharge test (special testing)

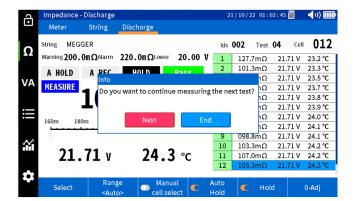
Take measurement of the first cell. The DC voltage and DC current will be saved with a date and time stamp.



Take measurement of the each following cell. Each measurement shall be saved in sequence with a cell number, date and time stamp.

ð	Impedance -	Discharge			2	1/10/2	2 01:02	: 31 📒	4 ») IIII
Ŀ	Meter	String	Discharge						
Ω	String MEGO	ER			ldx	002	Test 0	4 Cell	003
22	Warning 200.()¶ΩAlarm	220.0m Ω Lower	20.00 \	1	127.	7mΩ	21.71 V	23.2 °C
	A HOLD	A REC	HOLD	Pass	2	101.	3mΩ	21.71 V	23.3 °C
VA					3				
	READY	1 / 1	2		4				
		LUI	. .3 mΩ		5				
111					6				
	160m 180	m 200m	220m 240)m 260m	$1 - \frac{7}{8}$				
				<u> </u>	9				
\sim	1				10				
	21	71 v	23.3	l °r	11				
	~ ~ .		20.0		12				
1									
	Select	Rang <auto< th=""><th></th><th></th><th>Auto Hold</th><th>C</th><th>Hold</th><th></th><th>0-Adj</th></auto<>			Auto Hold	C	Hold		0-Adj

When the end of the string is reached, the unit will prompt the user to either end the test or select next to perform the next pass through the string.



Trending recorded data

Trending recorded data

Trending recorded impedance data:

The BITE5 will allow trending for the following:

Cell impedance trending – Trends every impedance value of an individual cell.

String impedance trending – Trends the impedance of all cells in a string for a given test.

Cell voltage trending – Trends every voltage value of an individual cell.

String voltage trending – Trends the voltage of all cells in a string for a given test.

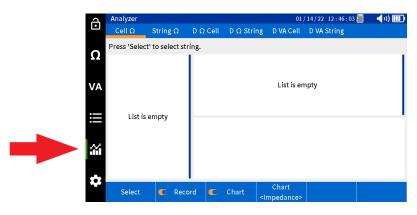
Cell temperature trending – Trends every temperature value of an individual cell.

String temperature trending – Trends the temperature of all cells in a string for a given test.

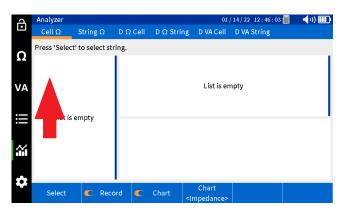
Operation:

Trending individual cells

On the BITE5 select the chart ICON.



Select "Cell".



Trending recorded impedance data

Select "Select".



Select string, then press "OK".

ð	Analyzer				01	/14/22 12:47	: 32 📒	4 0) 🎟
Ŀ	Cell Ω	String Ω	$D\;\Omega\;Cell$	$D\ \Omega$ String	D VA Cell	D VA String		
Ω	Press 'Seleo	Select Batte	ry String]	
		MEGGER			d Acid 10 Ah	ANTIMO 6 Cell		
VA		MEGGER		10	-ion 10 Ah	LIION 12 Cel		
≣	List is	NG STRING		15	d Acid 0 Ah	3CC7N 60 Cel		
•—		NG PRINT		10	d Acid 10 Ah	ANTIMO 6 Cell		
Ŷ		NG2		10		ANTIMO 3 Coll		
*				Cance	:L	Ok		
	Select	C Reco	ord 🗲	Chart	Chart mpedance>			

Select desired cell in the left column.

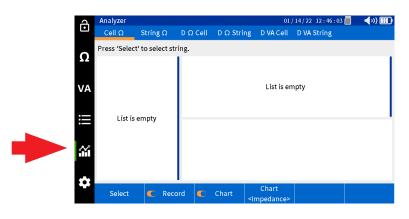
÷	Analyzer				01	/14/22 1	3 : 53 : 28 📒	 v) [
Ŀ	Cell Ω	String Ω	D Ω Cel	l D Ω String	D VA Cell	D VA St	ring		
0	002 MEGGEF	2							
Ω	0	01	8	154.7mΩ	24.08 V	27.2 °C	12/15/21	l 14:02:54	
	0	02	7	123.3mΩ	24.09 V	27.0 °C	12/15/21	l 14:01:31	
	0	03	6	150.2mΩ	24.09 V	26.8 °C	12/15/21	L 14:00:03	
VA	0	04	5	226.4mΩ	24.09 V	26.1 °C	12/15/21	L 13:58:39	
	0	05	4	136.7mΩ	24.08 V	27.4 °C	12/15/21	L 14:07:22	
	0	06	3	103.9mΩ	21.71 V	22.6 °C	10/19/21	L 03:04:33	_
	0	07	250.0m						-1
	0	08		- E					
	0	09	200.0m-						
~	0	10	150.0m	- dt 1					
	0	11	100.0m						
	0	12	050.0m						
1			050.011	5 10 15	20 25	30 35	40 45	50 55	60
*	Select	C Reco	ord 🧲	Chart <	Chart mpedance>				

Select "Chart" to change the parameter being trended.

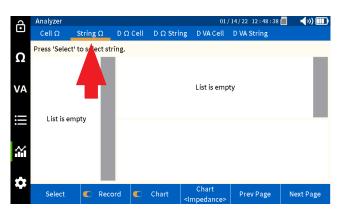
ð	Analyzer				01	/14/22_1	13 : 53 : 34 📒	 v) [
Ŀ	Cell Ω	String Ω	DΩCe	ll D Ω Strir	ng – D VA Cell	D VA St	tring		
0	002 MEGGEI	R							
Ω	0	01	8	154.7mΩ	24.08 V	27.2 °C	12/15/21	l 14:02:54	
	0	02	7	123.3mΩ	24.09 V	27.0 °C	12/15/21	l 14:01:31	
	0	03	6	150.2mΩ	24.09 V	26.8 °C	12/15/21	L 14:00:03	
VA	0	04	5	226.4mΩ	24.09 V	26.1 °C	12/15/21	L 13:58:39	
	0	05	4	136.7mΩ	24.08 V	27.4 °C	12/15/21	L 14:07:22	
	0	06	3	103.9mΩ	21.71 V	22.6 °C	10/19/21	L 03:04:33	
	0	07	250.0m						-
	0	08		- 1 - C					
	0	09	200.0m		Impedance				
\sim	0	10	150.0m		impedance				
	0	11	100.0m		Voltage				
	0	12	050.0m		T				
			050.011	5 10	Temperature	e 35	40 45	50 55	60
*	Select	C Reco	ord 🧲	Chart	Chart <impedance></impedance>				

Trending string data

On the BITE5 select the chart ICON.



Select "String".



Select "Select".



Trending recorded VA discharge data

Select string, then press "OK".

A	Analyzer				01	1/14/22 12:48:	50 📒 📢)) 🎹
Û	Cell Ω	String Ω	$D\;\Omega\;Cell$	D Ω String	D VA Cell	D VA String		
Ω	Press 'Selec	Select Batter	y String					
		MEGGER			id Acid 00 Ah	ANTIMO 6 Cell		
VA		MEGGER		1	i-ion 00 Ah	LIION 12 Cel		
	List is	NG STRING			id Acid 50 Ah	3CC7N 60 Cel		
	210010	NG PRINT		10	id Acid 00 Ah	ANTIMO 6 Cell		
~		NG2				ANTIMO 3 Coll		
				Cance	el 📃	Ok		
\$			1		Chart			
	Select	C Reco	ord C	Chart <	mpedance>	Prev Page	Next	Page

Select the desired test to trend in the left column.

÷	An	alyzer				01	/14/22 12	: 49 : 08 📒	🌒 📢 🗤 💷
Ŀ	C	ell Ω	String Ω	$D \ \Omega \ Cel$	l DΩ String	D VA Cell	D VA Stri	ing	
	002	MEGGER							
Ω	06	12/14/21 146.8mΩ	12 20.07 V	1	184.2mΩ	24.09 V	25.5 °C		1 15:45:26
		12/14/21	20.07 V	2	156.3mΩ	24.09 V	25.6 °C	12/14/21	1 15:45:38
VA	05	172.8mΩ	24.09 V	3	158.6mΩ	24.09 V	25.9 °C	12/14/21	1 15:45:52
	04	10/21/21	12	4	155.7mΩ	24.09 V	26.1 °C	12/14/21	1 15:46:05
		116.4mΩ		5	158.9mΩ	24.09 V	26.2 °C	12/14/21	1 15:46:12
	03	10/08/21 093.8mΩ	5 21.70 V	200.0m					
A.P.	02	10/08/21 095.3mΩ	12 21.70 V	150.0m					
ŝ	01	09/02/21 112.9mΩ	12 21.72 V		IIIhhh				
				100.0m	5 10 15	20 25	30 35	40 45	50 55 60
~		Select	C Reco	ord 🖸	Chart <	Chart Impedance>	Prev P	age	Next Page

Select "Chart" to change the parameter being trended.

ð	An	alyzer				01,	/14/22 12:49:16	i 📕 🔹 📢 🗤 🛄
Ŀ	С	ell Ω	String Ω	DΩCe	ll D Ω Stri	ng DVACell	D VA String	
	002	MEGGER						
Ω	06	12/14/21	12	1	184.2mΩ	24.09 V	25.5 °C 12/14	/21 15:45:26
		146.8mΩ		2	156.3mΩ	24.09 V	25.6 °C 12/14	/21 15:45:38
VA	05	12/14/21 172.8mΩ	2 24.09 V	3	158.6mΩ	24.09 V	25.9 °C 12/14	/21 15:45:52
	04	10/21/21	12	4	155.7mΩ	24.09 V	26.1 °C 12/14	/21 15:46:05
	04	116.4mΩ	21.70 V	5	158.9mΩ	24.09 V	26.2 °C 12/14	/21 15:46:12
	03	10/08/21 093.8mΩ	5 21.70 V	200.0m			,	,
20	02	10/08/21 095.3mΩ	12 21.70 V	150.0m	111	Impedance		
ŝ	01	09/02/21 112.9mΩ	12 21.72 V		IIIIntel	Voltage		
ŧ.				100.0m	5 10	Temperature	e 35 40 4	5 50 55 60
*		Select	C Reco	ord 🧲	Chart	Chart <impedance></impedance>	Prev Page	Next Page

Trending recorded VA discharge data:

The BITE5 will allow trending for the following:

Discharge VA cell voltage trending – Trends every impedance value of an individual cell.

Discharge VA string voltage trending – Trends the impedance of all cells in a string for a given test.

Discharge VA cell current trending – Trends every voltage value of an individual cell.

Discharge VA string current trending – Trends the voltage of all cells in a string for a given test.

Operation:

Trending individual cell data

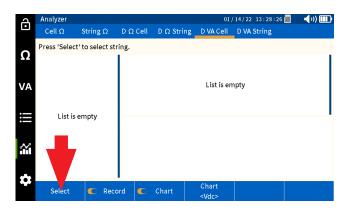
On the BITE5 select the chart ICON.



Select "D VA Cell".



Select "Select".



Trending recorded VA discharge data

Select string, then press "OK".

ĉ	Analyzer				0	1/14/22 13:42:	29 📶	())
Ŀ	Cell Ω	String Ω	$D \; \Omega \; Cell$	D Ω String	, DVACel	D VA String		
Ω	Press 'Seleo	Select Batter	y String					
		MEGGER			ead Acid LOO Ah	ANTIMONY 6 Cell		
VA	List is	MEGGER			Li-ion L00 Ah	LIION 12 Cell		
		NG STRING			ad Acid L50 Ah	3CC7M 60 Cell		
		NG PRINT			ead Acid LOO Ah	ANTIMONY 6 Cell		
\sim		NG2			ad Acid			
				Can	cel	Ok		
	Select	C Reco	ord 🧲	Chart	Chart <vdc></vdc>			

Select desired test in the left column.

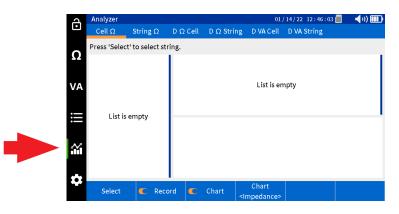
÷	Analyzer				01,	/ 14 / 22 13 : 42 : 50 📕	🔹 📢 🗤 🚺
Ŀ	Cell Ω S	String Ω	DΩCe	ell D Ω Strin	g DVACell	D VA String	
0	002 MEGGER						
Ω	001		24	24.09 Vdc	-0001 Adc	12/14/21 16:31:50	
	002		23	24.09 Vdc	-0001 Adc	12/14/21 16:31:11	
	003		22	24.09 Vdc	-0001 Adc	12/14/21 16:30:01	
VA	004		21	21.72 Vdc	0.025 Vripp	10/22/21 00:14:24	
	005		20	21.72 Vdc	0.023 Vripp	10/22/21 00:13:46	
	006		19	21.72 Vdc	0.026 Vripp	10/22/21 00:13:06	
111	007		40.00	r			
	008						
	009		20.00		mmili		
*	010						
	011		0.000				
	012		-20.00				
			-20.00	5 10 1	5 20 25	30 35 40 45	50 55 60
	Select	C Reco	ord 🤇	Chart	Chart <vdc></vdc>		

Select "Chart" to change the parameter being trended.

ð	Analyzer				01 /	14 / 22 13 : 42 : 56 📒 🛛	(()
Ŀ	Cell Ω	String Ω	DΩCe	ell DΩ Strin	g DVACell	D VA String	
	002 MEGGEF	२					
Ω	0	01	24	24.09 Vdc	-0001 Adc	12/14/21 16:31:50	
	0	02	23	24.09 Vdc	-0001 Adc	12/14/21 16:31:11	
	0	03	22	24.09 Vdc	-0001 Adc	12/14/21 16:30:01	
VA	0	04	21	21.72 Vdc	0.025 Vripp	10/22/21 00:14:24	
	0	005		21.72 Vdc	0.023 Vripp	10/22/21 00:13:46	
	0	006		21.72 Vdc	Vdc	10/22/21 00:13:06	
\equiv	0	07	40.00	r	vuc		
	0	08	10.00		Vripple		
	0	09	20.00				
*	0	10			Vac		
	0	11	0.000		Adc		
	0	12	-20.00				
			-20.00	5 10	Aac	35 40 45 !	50 55 60
•••	Select	C Reco	ord 🤇	Chart	Chart <vdc></vdc>		

Trending string data

On the BITE5 select the chart ICON.



Select "D VA String".



Select "Select".



Select string, then press "OK".

ĉ	Analyzer				01	/14/22 13:49:	17 📒	())
Ŀ	Cell Ω	String Ω	$D \; \Omega \; \text{Cell}$	$D \Omega$ String	D VA Cell	D VA String		
Ω	Press 'Selec	Select Batter	y String					
		MEGGER			ad Acid 00 Ah	ANTIMO 6 Cell		
VA	List is	MEGGER		1	.i-ion 00 Ah	LIION 12 Cel		
1		NG STRING		1	ad Acid 50 Ah	3CC7N 60 Cel		
:		NG PRINT		1	ad Acid 00 Ah	ANTIMO 6 Cell		
~		NG2			ad Acid	ANTIMO 3 Coll		
				Canc	el	Ok		
	Select	C Reco	ord C	Chart	Chart <vdc></vdc>	Prev Page	N	ext Page

Select the desired test to trend in the left column.

ð	An	alyzer				01	l/14/22 13:49:26 📕	🚽)) 🎹
Ŀ	С	ell Ω	String Ω	D Ω Cel	l DΩ Strir	ng – D VA Cell	D VA String	
0	002	MEGGER						
Ω	24	12/14/21	12	1	24.09 Vdc	-0001 Adc	12/14/21 16:31:50	
		mΩ	24.09 V	2	24.09 Vdc	-0001 Adc	12/14/21 16:31:53	
VA	23	12/14/21 mΩ	12 24.09 V	3	24.09 Vdc	-0001 Adc	12/14/21 16:31:56	
	22	12/14/21	12	4	24.09 Vdc	-0001 Adc	12/14/21 16:31:58	
	22	mΩ	24.09 V	5	24.09 Vdc	-0001 Adc	12/14/21 16:32:01	
	21	10/22/21	12	24.00				
	21	mΩ	21.72 V	24.09				
	20	10/22/21	12	24.09				
\sim	20	mΩ	21.72 V	2				
H H	19	10/22/21	12	24.09				
	15	mΩ	21.72 V					
1	18	10/22/21	12	24.09	5 10	15 20 25	30 35 40 45 5	0 55 60
*		Select	C Reco	ord 🧲	Chart	Chart <vdc></vdc>	Prev Page N	ext Page

Trending recorded impedance - discharge data

Select "Chart" to change the parameter being trended.

÷	An	alyzer					01 /	14/22 13:4	9 : 35 📕	4 9) 🎹
•	С	ell Ω	String Ω	DΩC	ell I	$O \Omega$ String	g D VA Cell	D VA String	g	
•	002	MEGGER								
Ω	24	12/14/21	12	1	24	.09 Vdc	-0001 Adc	12/14/21	16:31:50	
		mΩ	24.09 V	2	24	.09 Vdc	-0001 Adc	12/14/21	16:31:53	
VA	23	12/14/21 mΩ	12 24.09 V	3	24	.09 Vdc	-0001 Adc	12/14/21	16:31:56	
	22	12/14/21	12	4	24	.09 Vdc	-0001 Adc	12/14/21	16:31:58	
	22	mΩ	24.09 V	5	24	.09 Vdc 📕		12/14/21	16:32:01	
III	21	10/22/21	12	24.09			Vdc			_
•	21	mΩ	21.72 V	24.05	"		Vripple			
	20	10/22/21	12	24.09	9-					
\sim		mΩ	21.72 V				Vac			
	19	10/22/21	12	24.09	^a huu		Adc			
		mΩ	21.72 V	24.09						
\$	18	10/22/21	12	24.05	, 5	10	Aac	35 40	45	50 55 60
		Select	C Reco	rd (C C	hart	Chart <vdc></vdc>	Prev Pag	ge l	lext Page

Trending recorded impedance - Discharge data:

The BITE5 will allow tending for the following:

Discharge cell voltage trending – Trends every impedance value of an individual cell.

Discharge string voltage trending – Trends the impedance of all cells in a string for a given test.

Discharge cell impedance trending – Trends every voltage value of an individual cell.

Discharge string impedance trending – Trends the voltage of all cells in a string for a given test.

Discharge cell temperature trending – Trends every temperature value of an individual cell.

Discharge string temperature trending – Trends the temperature of all cells in a string for a given test.

Operation:

Trending individual cell data

On the BITE5 select the chart ICON.

ð	Analyzer				01	/ 14 / 22 12 : 46 : 03 📒 🛛	- -(>) 🎹
Ŀ	Cell Ω	String Ω	D Ω Cell	$D \ \Omega$ String	D VA Cell	D VA String	
0	Press 'Select	to select s	tring.				
Ω							
VA					List is er	nntv	
VA					Liberto el		
iii	List is e	emptv					
•—		.,					
~							
ŧ.			I				
	Select	C Rec	ord C	Chart	Chart mpedance>		
					in poardifiee.		

Trending recorded impedance - discharge data

Select "D Ω Cell".



Select "Select".



Select string then press "OK".

ĉ	Analyzer					01/14/22 13:53:	20 📒	- - (1)) 🎹 🕨
Ŀ	Cell Ω	String Ω	D Ω Cell	D Ω Stri	ng DVACe	ll DVA String		
Ω	Press 'Selec	Select Batter	/ String					
		MEGGER			Lead Acid 100 Ah	ANTIMO 6 Cell		
VA	List is	MEGGER			Li-ion 100 Ah	LIION 12 Cel		
III		NG STRING			Lead Acid 150 Ah	3CC7N 60 Cel		
-		NG PRINT			Lead Acid 100 Ah	ANTIMO 6 Cell		
.		NG2		_	Lead Acid	ANTIMO 3 Coll		
				Ca	ncel	Ok		
	Select	C Reco	rd 🗲	Chart	Chart <impedance< th=""><th>e></th><th></th><th></th></impedance<>	e>		

Select desired cell in the left column.

ð	Analyzer					01/14/22	13:53:28	📕 📢 vi) (
•	Cell Ω	String Ω	$D \Omega$ Cell $D \Omega$ String		ng DIVA C	Cell D VA	D VA String		
0	002 MEGGER								
Ω	00	L	8	154.7mΩ	24.08	V 27.2 °	C 12/15/2	21 14:02:54	
	002	2	7	123.3mΩ	24.09	V 27.0 °	C 12/15/2	21 14:01:31	
	003	3	6	150.2mΩ	24.09	V 26.8 °	C 12/15/2	21 14:00:03	
VA	004	1	5	226.4mΩ	24.09	V 26.1 °	C 12/15/2	21 13:58:39	
	00	5	4	136.7mΩ	24.08	V 27.4 °	C 12/15/2	21 14:07:22	
	006	5	3	103.9mΩ	21.71	V 22.6 °	C 10/19/2	21 03:04:33	
	00	7	250.0m						
	008	3		- -					
	009)	200.0m						
\mathbf{x}	010)	150.0m	1.41					
	01	L	100.0m	hilli					
	012	2	050.0m						
-			050.011	5 10	15 20 2	5 30 3	5 40 45	50 55	60
~	Select	C Reco	rd 🧲	Chart	Chart				
	001001			onare	<impedan< th=""><th>ice></th><th></th><th></th><th></th></impedan<>	ice>			

Trending recorded impedance - discharge data

Select "Chart" to change the parameter being trended.

ĉ	Analyzer				01	/14/22_1	3:53:34		(1)	III)
Ŀ	Cell Ω	String Ω	$D \Omega$ Cell $D \Omega$ Strin		ng DVACell	D VA String				
	002 MEGGER									
Ω	001		8	154.7mΩ	24.08 V	27.2 °C	12/15,	21 14:0	02:54	
	002	2	7	123.3mΩ	24.09 V	27.0 °C	12/15,	21 14:0	01:31	
	003	3	6	150.2mΩ	24.09 V	26.8 °C	12/15,	/21 14:0	00:03	
VA	004	ł	5	226.4mΩ	24.09 V	26.1 °C	12/15,	21 13:	58:39	
	005	5	4	136.7mΩ	24.08 V	27.4 °C	12/15	21 14:0	07:22	_
	006	5	3	103.9mΩ	21.71 V	22.6 °C	10/19,	21 03:0	04:33	_
	007	·	250.0m							-1
	300		200.0m							
	009				Impedance					
\sim	010		150.0m	di.	impedance					
	011		100.0m		Voltage					
	012		050.0m		Tomporature	. L_				
5.01				5 10	Temperature	35	40 4	5 50	55	60
	Select	C Rece	ord 🧲) Chart	Chart <impedance></impedance>					

Trending string data

On the BITE5 select the chart ICON.



Select "D Ω String".



Select "Select".



Select string, then press "OK".

ô	Analyzer				0.	1/14/22 13:58:3	2 📒 🛛 📢 v)) 🎹
Ŀ	Cell Ω	String Ω	$D \ \Omega \ Cell$	D Ω Strir	ng DVACell	D VA String	
Ω	Press 'Selec	Select Batter	ry String				
	List is	MEGGER		l	ead Acid 100 Ah	ANTIMO 6 Cell	
VA		MEGGER			Li-ion 100 Ah	LIION 12 Cel	
		NG STRING			ead Acid 150 Ah	3CC7N 60 Cel	
		NG PRINT			ead Acid 100 Ah	ANTIMO 6 Cell	
\sim		NG2			ead Acid	ANTIMO 3 Cell	
				Cai	ncel	Ok	
\$	Select	C Reco	ord C	Chart	Chart <impedance< th=""><th>> Prev Page</th><th>Next Page</th></impedance<>	> Prev Page	Next Page

Select desired test in the left column.

÷	An	alyzer				01	/14/22 13	3 : 58 : 40 🐇	🎽 📢 🗤 📕	
Ŀ	С	ell Ω	String Ω	D Ω Ce	l D Ω Strin	g DVACell	D VA St	ring		
	002	MEGGER								
Ω	08	12/15/21	12	1	154.7mΩ	24.08 V	27.2 °C	12/15/2	1 14:02:54	
		143.2mΩ	24.08 V	2	155.9mΩ	24.08 V	27.2 ℃	12/15/2	1 14:03:01	- 1
VA	07	12/15/21 121.8mΩ	12 24.08 V	3	137.9mΩ	24.08 V	27.2 °C	12/15/2	1 14:03:08	-1
		12/15/21	12	4	140.6mΩ	24.08 V	27.2 °C	12/15/2	1 14:03:15	
	06	150.0mΩ	24.09 V	5	136.7mΩ	24.08 V	27.2 °C	12/15/2	1 14:03:21	
\equiv	05	12/15/21	12	160.0m				,,-		-
.—	05	210.3mΩ	24.09 V	100.000	a .					
	04	12/15/21	12							
\sim	04	244.6mΩ	24.09 V	140.0m						
nn.	03	10/19/21	12							
	03	098.4mΩ	21.71 V							
•	02	09/02/21	12	120.0m	5 10 I	15 20 25	30 35	40 45	50 55	60
~		Select	C Reco	ord C	Chart	Chart <impedance></impedance>	Prev	Page	Next Pag	e,

Select "Chart" to change the parameter being trended.

ð	An	alyzer				01	/14/22 13:58:4	6 📶 🛛 🖪 🗤) 🎹
Ŀ	С	ell Ω S	String Ω	DΩCe	ll D Ω Stri	ng DVACell	D VA String	
0	002	MEGGER						
Ω	08	12/15/21	12	1	154.7mΩ	24.08 V	27.2 °C 12/1	5/21 14:02:54
		143.2mΩ	24.08 V	2	155.9mΩ	24.08 V	27.2 °C 12/1	5/21 14:03:01
VA	07	12/15/21 121.8mΩ	12 24.08 V	3	137.9mΩ	24.08 V	27.2 °C 12/1	5/21 14:03:08
	06	12/15/21	12	4	140.6mΩ	24.08 V	27.2 °C 12/1	5/21 14:03:15
	06	$150.0 \text{m}\Omega$	24.09 V	5	136.7mΩ	24.08 V	27.2 °C 12/1	5/21 14:03:21
1	05	12/15/21	12	160.0m				,
	05	210.3mΩ	24.09 V	160.0m	a			
	04	12/15/21	12					
~	04	244.6mΩ	24.09 V	140.0m		Impedance		
nn.	03	10/19/21	12			Voltage		
	03	098.4mΩ	21.71 V			vonage		
\$	02	09/02/21	12	120.0m	5 10	Temperature	e 35 40 4	45 50 55 60
~		Select	C Reco	rd 🧲) Chart	Chart <impedance></impedance>	Prev Page	Next Page

Viewing a record

Viewing a record

The BITE5 allows the viewing of various recorded values or records. These records include the following:

Meter Ω - These will be the individual recorded impedance measurements that were made with the BITE5. These recorded values are not associated with any battery strings.

String Ω - These will be the recorded values of individual impedance tests made on strings.

D Ω String - These will be the recorded values of individual impedance measurements made during a discharge test on a string.

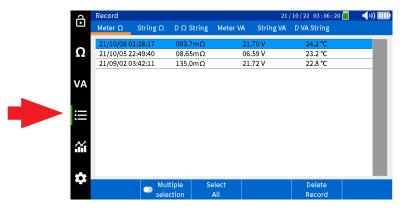
Meter VA - These will be the individual recorded voltage and current measurements that were made with the BITE5. These recorded value are not associated with any battery strings.

String VA - These will be the recorded values of voltage and current measurements made on strings.

D VA String - These will be the recorded values of the voltage and current measurements made during a discharge test on a string.

Viewing Meter Ω records

On the BITE5 select the record ICON.



Select "Meter Ω ".

ð	Record				21,	/10/22 03:06:20 🚪	📕 📢 v) 🛙	
Ŀ	Meter Ω St	ringΩ D	Ω String	Meter VA	String VA	D VA String		
	21/10/08 02:28	8:17 0	93.7mΩ	2	21.70 V	24.2 °C		
Ω	21/10/05 22:49	9:40 0	8.65mΩ	(06.59 V	23.2 °C		
	21/09/02 03:42	2:11 1	.35.0mΩ	2	21.72 V	22.8 °C		
VA								L
≣								L
.								L
\$		Multipl selection		elect		Delete Record		

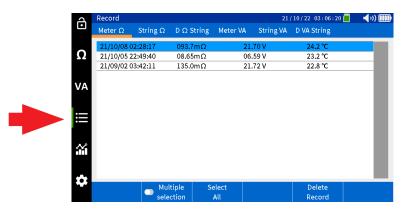
Viewing string impedance records

All recorded values shall be displayed with a date and time stamp.

÷	Record				21,	/10/22 03:06:20 🚪	🌒 📢 🗤 🚺
Ŀ	Meter Ω	String Ω	$D \Omega$ String	Meter VA	A String VA	D VA String	
	21/10/08 02	2:28:17	093.7mΩ		21.70 V	24.2 °C	
Ω	21/10/05 22	2:49:40	08.65mΩ		06.59 V	23.2 °C	
	21/09/02 03	3:42:11	135.0mΩ		21.72 V	22.8 °C	
VA							
≣							
.							
							_
				elect		Delete	
		sele	ction	All		Record	

Viewing String Ω records

On the BITE5 select the record ICON.



Select "String Ω ".

ð	Record				21/	10/22 03:06:28 🚪	🌒 📢 v) 🎹
Ŀ	Meter Ω	String Ω	$D \ \Omega$ String	Meter VA	String VA	D VA String	
0	Select string						
Ω	MEGGER			ead Acid 100 Ah	ANTIMONY 6 Cell	2.200/ 2.00/ 2.00/ 03.50/ 04.00/	
VA	MEGGER			Li-ion 100 Ah	LIION 12 Cell	22.00/ 20 180.0/ 200.0/	
	NG STRING			ead Acid 150 Ah	3CC7M 60 Cell	2.200/ 2.0	
	NG PRINT			ead Acid 100 Ah	ANTIMONY 6 Cell	2.200/2.0	
~	NG2			ead Acid 100 Ah	ANTIMONY 3 Cell	3.000/2. 03.50/04.00/	
Ŷ	MEGGER			ead Acid 100 Ah	TEST STRIN 6 Cell	G 2.200/ 2.0 03.30/ 04.00/	
•							
	Select	Add	E	dit			Delete String

Select desired string, then press "Select".

Selact Add Edit	Record				21/1	0 / 22 03 : 06 : 28 📒 👘	(1)
Lead Acid ANTIMONY 2.200/2.000 V MEGGER 100 Ah 6 Cell 03.50/04.00/04.50m MEGGER Li-ion LIION 22.00/20.00 V NG STRING 100 Ah 12 Cell 180.0/200.0/20.00 V NG STRING Lead Acid 3CC7M 2.200/2.000 V NG PRINT Lead Acid 3CC7M 2.200/2.000 V NG PRINT Lead Acid ANTIMONY 2.200/2.000 V NG PRINT Lead Acid ANTIMONY 2.200/2.000 V NG2 Lead Acid ANTIMONY 2.200/2.000 V NG2 Lead Acid ANTIMONY 3.000/2.800 V NG2 Lead Acid ANTIMONY 3.200/2.800 V NG2 100 Ah 3 Cell 03.50/04.00/04.50m ME Lead Acid TEST STRING 2.200/2.000 V NO Ah 6 Cell 03.30/04.00/04.50m Select Add Edit Delk	Meter Ω	String Ω	$D \ \Omega$ String	Meter VA	String VA	D VA String	
MEGGER 100 Ah 6 Cell 03.50/04.00/04.50m MEGGER Li-ion LIION 22.00/20.00 V NG STRING 100 Ah 12 Cell 180.0/200.0/20.00 V NG STRING Lead Acid 3CC7M 2.200/2.000 V NG STRING Lead Acid 3CC7M 2.200/2.000 V NG PRINT Lead Acid ANTIMONY 2.200/2.000 V NG PRINT Lead Acid ANTIMONY 2.200/2.000 V NG2 Lead Acid ANTIMONY 3.000/2.800 V NG2 Lead Acid ANTIMONY 3.000/2.800 V NG2 Lead Acid TEST STRING 2.200/2.000 V NG PRINT Loo Ah 3 Cell 03.50/04.00/04.50m ME Lead Acid TEST STRING 2.200/2.000 V NG Acid TEST STRING 2.200/2.000 V 100 Ah Select Add Edit Delk	Select string						
100 Ah 6 Cell 03.50/04.00/04.200.00 MEGGER Li-ion LIION 22.00/20.00 V 100 Ah 12 Cell 180.0/20.00 V 22.00 V NG STRING Lead Acid 3CC7M 2.200/2.000 V NG PRINT Lead Acid 3CC7M 2.200/2.000 V NG PRINT Lead Acid ANTIMONY 2.200/2.000 V NG2 Lead Acid ANTIMONY 3.000/2.800 V NG2 Lead Acid ANTIMONY 3.000/2.800 V NG2 Load Acid TEST STRING 2.200/2.000 V NG Ah G Cell 03.30/04.00/04.50m 03.30/04.00/04.50m	MECCER		Le	ead Acid	ANTIMONY	2.200/ 2.000	V
MEGGER 100 Ah 12 Cell 180.0/200.0/220.0m NG STRING Lead Acid 3CC7M 2.200/2.000 V NG STRING 150 Ah 60 Cell 0.900/1.000/1.200 V NG PRINT Lead Acid ANTIMONY 2.200/2.000 V NG PRINT Lead Acid ANTIMONY 2.200/2.000 V NG PRINT 100 Ah 6 Cell 0.900/1.000/1.200 V NG2 Lead Acid ANTIMONY 3.000/2.800 V NG2 100 Ah 3 Cell 03.50/04.00/04.50m ME Lead Acid TEST STRING 2.200/2.000 V 100 Ah 6 Cell 0.330/04.00/04.50m Select Add Edit Delt	MEGGER			100 Ah	6 Cell	03.50/ 04.00/ 04.5	i0mΩ
100 Ah 12 Cell 180.0/200.0/220.00 NG STRING Lead Acid 3CC7M 2.200/2.000 V 150 Ah 60 Cell 0.900/1.000/1.200 N NG PRINT Lead Acid ANTIMONY 2.200/2.000 V NG PRINT Lead Acid ANTIMONY 2.200/2.000 V NG2 Lead Acid ANTIMONY 2.200/2.000 V NG2 Lead Acid ANTIMONY 3.000/2.800 V NG2 100 Ah 3 Cell 03.50/04.00/04.50m MB Lead Acid TEST STRING 2.200/2.000 V NO Ah 6 Cell 03.30/04.00/04.50m Select Add Edit Delt	MECCER			Li-ion	LIION	22.00/ 20.00	V
NG STRING 150 Ah 60 Cell 0.900/1.000/1.200 NG PRINT Lead Acid ANTIMONY 2.200/2.000 V NG PRINT 100 Ah 6 Cell 0.900/1.000/1.200 NG2 Lead Acid ANTIMONY 3.000/2.800 V NG2 100 Ah 3 Cell 03.50/04.00/04.50m MB Lead Acid TEST STRING 2.200/2.000 V NO Ah 6 Cell 03.30/04.00/04.50m Select Add Edit Delt	MEGGER			100 Ah	12 Cell	180.0/ 200.0/ 220	.0mΩ
150 Ah 60 Cell 0.900/1.000/1.2001 NG PRINT Lead Acid ANTIMONY 2.200/2.000 V 100 Ah 6 Cell 0.900/1.000/1.2001 NG2 Lead Acid ANTIMONY 3.000/2.800 V NG2 100 Ah 3 Cell 03.50/04.00/04.50m MB Lead Acid TEST STRING 2.200/2.000 V NO Ah 6 Cell 03.30/04.00/04.50m Select Add Edit Delt			Le	ead Acid	3CC7M	2.200/ 2.000	V
NG PRINT 100 Ah 6 Cell 0.900/1.000/1.200 NG2 Lead Acid ANTIMONY 3.000/2.800 100 Ah 3 Cell 03.50/04.00/04.50m MB Lead Acid TEST STRING 2.200/2.000 100 Ah 6 Cell 03.30/04.00/04.50m Select Add Edit Delt	NG STRING			150 Ah	60 Cell	0.900/1.000/1.2	Ω 00
100 Ah 6 Cell 0.900/1.000/1.200 NG2 Lead Acid ANTIMONY 3.000/2.800 V 100 Ah 3 Cell 03.50/04.00/04.50m MB Lead Acid TEST STRING 2.200/2.000 V 100 Ah 6 Cell 03.30/04.00/04.50m Select Add Edit Dela			Le	ead Acid	ANTIMONY	2.200/ 2.000	v
NG2 100 Ah 3 Cell 03.50/ 04.00/ 04.50m MB Lead Acid TEST STRING 2.200/ 2.000 V 100 Ah 6 Cell 03.30/ 04.00/ 04.50m Select Add Edit Delt	NGPRINT			100 Ah	6 Cell	0.900/1.000/1.2	Ω 00
100 Ah 3 Cell 03.507 (04.00/ 04.50m) MB Lead Acid TEST STRING 2.200/ 2.000 V 100 Ah 6 Cell 03.30/ 04.00/ 04.50m Select Add Edit Delt	NGO		Le	ead Acid	ANTIMONY	3.000/ 2.800	v
ME 100 Ah 6 Cell 03.30/ 04.00/ 04.50m Select Add Edit Delt	NGZ			100 Ah	3 Cell	03.50/ 04.00/ 04.5	i0mΩ
100 Ah 6 Cell 03.30/ 04.00/ 04.50m Select Add Edit Dele			Le	ead Acid	TEST STRING	G 2.200/ 2.000	v
Select Add Edit	ME			100 Ah	6 Cell	03.30/ 04.00/ 04.5	i0mΩ
Select Add Edit							
	Select	Add	в	dit)elete String

Viewing D Ω String records

Select desired test in the left column.

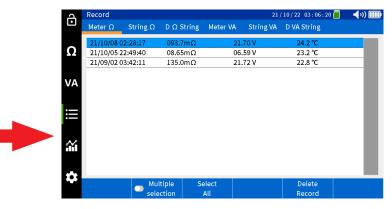
ð	Rec	ord						21	/10/22 0	3:06:38	🗐 📢 🗐	
Ŀ	Ме	ter Ω S	itring Ω	DΩ	String	Meter V	A	String VA	D VA St	ring		
0	002	MEGGER										
Ω	04	21/10/21	12]		136.4mΩ		21.70 V	24.0 °C	21/10/	21 04:48:29	Э
	04	116.4mΩ	21.70 V	2	2	149.7mΩ		21.70 V	24.1 °C	21/10/	21 04:48:44	4
	03	21/10/08	5	3	3	129.8mΩ		21.70 V	24.2 °C	21/10/	21 04:48:57	7
VA	03	093.8mΩ	21.70 V	4	۱ (110.8mΩ		21.70 V	24.3 °C	21/10/	21 04:49:04	4
	02	21/10/08	12	5	5	112.1mΩ		21.70 V	24.3 °C	21/10/	21 04:49:13	1
	02	095.3mΩ	21.70 V	e	5	111.1mΩ		21.70 V	24.4 °C	21/10/	21 04:49:18	8
III	01	21/09/02	12	7		112.5mΩ		21.70 V	24.5 °C	21/10/	21 04:49:2	5
	~ 1	112.9mΩ	21.72 V	8	3	107.9mΩ		21.70 V	24.6 °C	21/10/	21 04:49:32	2
				9)	107.5mΩ		21.70 V	24.8 °C	21/10/	21 04:49:39	Э
\sim				1	0	107.6mΩ		21.70 V	24.9 °C	21/10/	21 04:49:46	5
				1	1	104.8mΩ		21.70 V	25.0 °C	21/10/	21 04:49:53	3
				1	2	106.2mΩ		21.70 V	25.1 °C	21/10/	21 04:50:00	5
		Coloret	Mult	iple	S	elect		Delete	Del	ete		
	Select	selec	tion		All		Test	Rec	ord			

Recorded values will be displayed in the right column.

÷	Rec	ord						21	📕 📢 v) 🗓		
Ŀ	Me	ter Ω	String Ω	$D \ \Omega$ String		Meter V	A	String VA	D VA St	ring	
~	002	MEGGER									
Ω	04	21/10/21	. 12		1	136.4mΩ		21.70 V	24.0 °C	21/10/2	21 04:48:29
	04	116.4mΩ	21.70 V		2	149.7mΩ		21.70 V	24.1 °C	21/10/2	21 04:48:44
	03	21/10/08	5		3	129.8mΩ		21.70 V	24.2 °C	21/10/2	21 04:48:57
VA	03	093.8m£	2 21.70 V		4	110.8mΩ		21.70 V	24.3 °C	21/10/2	21 04:49:04
	02	21/10/08			5	112.1mΩ		21.70 V	24.3 °C	21/10/2	21 04:49:11
		095.3mC			6	111.1mΩ		21.70 V	24.4 °C	21/10/2	21 04:49:18
	01	21/09/02			7	112.5mΩ		21.70 V	24.5 °C	21/10/2	21 04:49:25
	-	112.9mC	2 21.72 V		8	107.9mΩ		21.70 V	24.6 °C	21/10/2	21 04:49:32
					9	107.5mΩ		21.70 V	24.8 °C	21/10/2	21 04:49:39
Ŷ					LO	107.6mΩ		21.70 V	24.9 °C	21/10/2	21 04:49:46
					11	104.8mΩ		21.70 V	25.0 °C	21/10/2	21 04:49:53
					L2	106.2mΩ		21.70 V	25.1 °C	21/10/2	21 04:50:00
÷											
**		e.)	Mult	iple	S	elect		Delete	Del	ete	
	Select	selec	tion		All		Test	Rec	ord		

Viewing D Ω String records

On the BITE5 select the record ICON.



Select "D Ω String".

ð	Rec	ord						21	/10/22 0	4:02:13		(1)		
Ŀ	Ме	ter Ω S	tring Ω	D Ω String Meter VA		A	String VA	D VA St	ring					
	002 MEGGER													
Ω	04	01:03:46	12			103.9mΩ		21.71 V	22.6 °C	21/10/	19 03:	04:33		
	04	106.8mΩ	21.71 V			096.6mΩ		21.71 V	22.7 °C	21/10/	19 03:	:05:00		
	03	03:06:20	12	7		098.6mΩ		21.71 V	22.9 °C	21/10/	19 03:	:05:16		
VA	03	$098.4 m\Omega$	21.71 V	1		098.1mΩ		21.71 V	23.0 °C	21/10/	19 03:	05:24		
	02	03:57:27	12			097.1mΩ		21.71 V	23.1 °C	21/10/	19 03:	05:32		
	02	109.7mΩ	21.71 V			097.1mΩ		21.71 V	23.2 °C	21/10/	19 03:	05:39		
Ш	01	03:52:39	12	7		096.8mΩ		21.71 V	23.3 °C	21/10/	19 03:	05:46		
	.	124.2mΩ	21.71 V	8		097.3mΩ		21.71 V	23.5 °C	21/10/	19 03:	05:53		
				9		098.5mΩ		21.71 V	23.6 °C	21/10/	19 03:	:06:00		
\sim				10)	098.4mΩ		21.71 V	23.7 °C	21/10/	19 03:	:06:06		
				11		098.6mΩ		21.71 V	23.8 °C	21/10/	19 03:	06:13		
				12	2	100.3mΩ		21.71 V	23.9 °C	21/10/	19 03:	06:20		
**		a 1	Mult	Multiple		select		Delete	Del	ete				
	Select		selec			All		Test	Rec	ord				

Viewing meter VA records

Select desired string, then press "Select".

ച	Record				21/	10 / 22 04 : 06 : 53 📕	 ()) 🎹
Ō	Meter Ω	String Ω	$D \Omega$ String	Meter VA	String VA	D VA String	
	Select string						
Ω	MEGGER			ead Acid 100 Ah	ANTIMONY 6 Cell	2.200/ 2.000 03.50/ 04.00/ 04.	
VA	MEGGER			Li-ion 100 Ah	LIION 12 Cell	22.00/ 20.00 180.0/ 200.0/ 220	V
	NG STRING		Le	ad Acid	3CC7M 60 Cell	2.200/ 2.000 0.900/ 1.000/ 1.2	V
≣	NG PRINT		Le	ad Acid	ANTIMONY	2.200/ 2.000	V
	NCO			100 Ah ead Acid	6 Cell ANTIMONY	0.900/1.000/1.2	
\sim				100 Ah ad Acid	3 Cell TEST STRIN	03.50/ 04.00/ 04. G 2.200/ 2.000	
	MEQ			100 Ah	6 Cell	03.30/ 04.00/ 04.	
\$							_
	Select						

Select desired test in the left column.

ð	Recor	d						21	/10/22_0	4:02:13		4 0) 🎹
Ŀ	Meter	Ω S	tring Ω	DΩ	String	Meter V	A	String VA	D VA St	ring		
	002 ME	EGGER										
Ω	04 0	1:03:46	12	1	L	103.9mΩ		21.71 V	22.6 °C	21/10/	19 03:	04:33
	04 10	06.8mΩ	21.71 V	1	2	096.6mΩ		21.71 V	22.7 °C	21/10/	19 03:	:05:00
	03 0	3:06:20	12	3	3	098.6mΩ		21.71 V	22.9 °C	21/10/	19 03:	05:16
VA	03 0!	98.4mΩ	21.71 V	4	1	098.1mΩ		21.71 V	23.0 °C	21/10/	19 03:	05:24
	02 -	3:57:27	12	2	5	097.1mΩ		21.71 V	23.1 °C	21/10/	19 03:	05:32
	- 10	09.7mΩ	21.71 V	(5	097.1mΩ		21.71 V	23.2 °C	21/10/	19 03:	05:39
	01 1	3:52:39	12		7	096.8mΩ		21.71 V	23.3 °C	21/10/	19 03:	:05:46
	1	24.2mΩ	21.71 V	8	3	097.3mΩ		21.71 V	23.5 °C	21/10/	19 03:	05:53
				9	9	098.5mΩ		21.71 V	23.6 °C	21/10/	19 03:	:06:00
\sim				1	0	098.4mΩ		21.71 V	23.7 °C	21/10/	19 03:	:06:06
				1	1	098.6mΩ		21.71 V	23.8 °C	21/10/	19 03:	06:13
				1	2	100.3mΩ		21.71 V	23.9 °C	21/10/	19 03:	06:20
~	Select		Mult	iple	S	elect		Delete	Del	ete		
			selection			All		Test	Rec	ord		

Recorded values will be displayed in the right column.

ĉ	Rec	ord						21	/10/22 0	3:06:38	🗐 📢 🗤 📔	
Ŀ	Me	ter Ω	String Ω	DΩ	String	Meter V	4	String VA	D VA St	ring		
	002	MEGGER										
Ω	04	21/10/21	12		1	136.4mΩ		21.70 V	24.0 °C	21/10/	21 04:48:29	
	04	116.4mΩ	21.70 V		2	149.7mΩ		21.70 V	24.1 °C	21/10/	21 04:48:44	
	03	21/10/08	5		3	129.8mΩ		21.70 V	24.2 °C	21/10/	21 04:48:57	
VA	03	093.8mΩ	21.70 V		4	110.8mΩ		21.70 V	24.3 °C	21/10/	21 04:49:04	
	02	21/10/08			5	112.1mΩ		21.70 V	24.3 °C	21/10/	21 04:49:11	
		095.3mΩ			6	111.1mΩ		21.70 V	24.4 °C	21/10/	21 04:49:18	
i	01	21/09/02			7	112.5mΩ		21.70 V	24.5 °C	21/10/	21 04:49:25	
	-	112.9mΩ	21.72 V		8	107.9mΩ		21.70 V	24.6 °C	21/10/	21 04:49:32	
					9	107.5mΩ		21.70 V	24.8 °C	21/10/	21 04:49:39	
$\mathbf{\hat{x}}$					10	107.6mΩ		21.70 V	24.9 °C	21/10/	21 04:49:46	
					11	104.8mΩ		21.70 V	25.0 °C	21/10/	21 04:49:53	
					12	106.2mΩ		21.70 V	25.1 °C	21/10/	21 04:50:00	
		e . I	Mult	iple	S	elect		Delete	Del	ete		
	Select		selec	tion		All		Test	Rec	ord		

Viewing Meter VA records

On the BITE5 select the record ICON.

Ĺ	ð	Record Meter Ω	String Ω	D Ω String	; Meter V		L/10/22_03:06:20 📶 D VA String	4 0) IIII)
	Ω /A Ⅲ	21/10/08 21/10/05 21/09/02	0 <mark>2:28:17</mark> 22:49:40	093.7mΩ 08.65mΩ 135.0mΩ		21.70 V 06.59 V 21.72 V	24.2 °C 23.2 °C 22.8 °C	1
3	¢			tiple ction	Select All		Delete Record	

Viewing string VA records

Select "Meter VA".

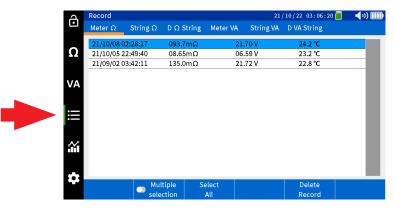
ĉ	Record				21	/ 10 / 22 03 : 19 : 21 🐇	📕 🚽 v) 🎟
•	Meter Ω	String Ω	$D\ \Omega$ String	Meter VA	String VA	D VA String	
Ω	21/10/22 0 21/10/16 0)2:29:35	0.002 V 21.72 V	0.0	000 V 023 V		
VA	21/10/16 0 21/10/16 0 21/10/16 0 21/10/05 2	00:19:09 00:18:16	0.034 V 21.70 V 21.70 V 26.32 V	Q.(029 V 026 V 028 V .08 A		
≣	21/10/05 2 21/10/05 2 21/09/01 0 21/09/01 0	23:09:58)4:07:55	00.28 V 0.003 V 0.003 V	04	.54 A 00 A 00 A		
.	21,05,01		0.000 1				
\$				elect All		Delete Record	

All recorded values will be displayed with a date and time stamp.

ð	Record				21	/ 10 / 22 03 : 19 : 21 📶	(v)
•	Meter Ω	String Ω	$D\ \Omega$ String	Meter VA	String VA	D VA String	
	21/10/22	00:42:42	0.002 V	0.00	00 V		
Ω	21/10/16 (02:29:35	21.72 V	0.02	23 V		
	21/10/16 0	02:29:21	0.034 V	0.02	29 V		
	21/10/16 (00:19:09	21.70 V	0.02	26 V		
VA	21/10/16 0	00:18:16	21.70 V	0.02	28 V		
	21/10/05	23:10:25	26.32 V	-00.0)8 A		
	21/10/052	23:09:58	00.28 V	04.5	54 A		
≣	21/09/01 (04:07:55	0.003 V	000	0 A		
·	21/09/01 (04:07:51	0.003 V	000	0 A 0		
$\boldsymbol{\dot{\mathbf{x}}}$							
	_						
		Mul	tiple Se	elect		Delete	
		sele	ction	All		Record	

Viewing string VA records

On the BITE5 select the record ICON.



Select "String VA".

പ	Record				21/1	0 / 22 03 : 22 : 55 📕	- (1) 🎹	
Ō	Meter Ω	String Ω	$D\ \Omega$ String	Meter VA	String VA	D VA String		
•	Select string							
Ω	MEGGER		Lead Acid 100 Ah		ANTIMONY Friell	2.200/ 2.00 03.50/ 04.00/ 04		
VA	MEGGER			Li-ion 100 Ah	N			
	NG STRING		Lead Acid 150 Ah		e ell	2.200/ 2.00 0.900/ 1.000/ 1		
	NG PRINT			Lead Acid 100 Ah		2.200/ 2.00 0.900/ 1.000/ 1		
\sim	NG2			ead Acid 100 Ah	ANTIMONY 3 Cell	3.000/ 2.80 03.50/ 04.00/ 04		
.	MEGGER			ead Acid 100 Ah	TEST STRING 6 Cell	2.200/ 2.00 03.30/ 04.00/ 04		
	Select							

Viewing D VA String records

Select desired string, then press on "Select".

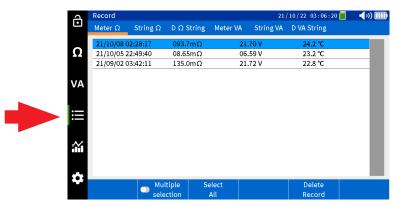
ð	Record			21/1	LO / 22_03 : 22 : 55 📶 💦 📢 🎶 💷	
Ŀ	Meter Ω	String Ω	$D\ \Omega$ String	Meter VA	String VA	D VA String
0	Select string					
12	MEGGER		Lead Acid 100 Ah		ANTIMONY 6 Cell	2.200/ 2.000 V 03.50/ 04.00/ 04.50mΩ
VA	MEGGER			Li-ion 100 Ah		22.00/ 20.00 V 180.0/ 200.0/ 220.0m Ω
	NG STRING			Lead Acid 150 Ah		2.200/ 2.000 V 0.900/ 1.000/ 1.200 Ω
≣	NG PRINT			ead Acid 100 Ah	ANTIMONY 6 Cell	2.200/ 2.000 V 0.900/ 1.000/ 1.200 Ω
\sim				ead Acid 100 Ah	ANTIMONY 3 Cell	3.000/ 2.800 V 03.50/ 04.00/ 04.50mΩ
ι.	ML R			ead Acid 100 Ah	TEST STRIN 6 Cell	G 2.200/ 2.000 V 03.30/ 04.00/ 04.50mΩ
\$						
	Select					

All recorded values will be displayed with a date and time stamp.

ð	Record				21	/ 10 / 22 03 : 23 : 05 [📕 📢 🗤 💷
Ŀ	Meter Ω	String $\boldsymbol{\Omega}$	$D \ \Omega$ String	Meter VA	String VA	D VA String	
	002 MEGGER						
Ω	21/10/21 0	5:05:38	21.71 V	-00	.06 A		
	21/10/21 0	5:05:34	21.71 V	-00	.06 A		
	21/10/16 03	3:36:52	21.70 V	0.	024 V		
VA	21/10/16 03	3:36:45	21.70 V	0.	023 V		
	21/10/16 03	3:36:33	21.70 V	0.	019 V		
	21/10/16 0	3:36:21	21.70 V	0.	000 V		
i	21/10/16 03	3:05:04	0.014 V	0.	022 V		
	21/10/16 00	0:24:42	21.70 V	-00	001 A		
	21/10/16 00	0:24:38	21.70 V	-00	001 A		
Ŷ	21/10/16 00	0:24:34	21.70 V	-00	001 A		
	21/10/16 00	0:24:30	21.70 V	-00	001 A		
	21/10/16 00	0:24:26	21.70 V	-00	001 A		
	21/10/16 00	0:24:22	21.70 V	-00	001 A		
	String	Mul	tiple S	elect	Delete	Delete	
	String	sele	ction	All	Test	Record	

Viewing D VA String records

On the BITE5 select the record ICON.



Select "D VA String".

Record				21/1	0 / 22 03 : 27 : 16 📶 👘 🚽 🌒 🛄
Meter Ω	String Ω	$D\ \Omega$ String	Meter VA	String VA	D VA String
Select string	g.				
MEGGER			ad Acid	ANTIMONY	2.200/ 2.000 V
_			LOO Ah Li-ion	6 Cell LIION	0/ 04.00/ 04.50mΩ 22.00/ 20.00 V
MEGGER			LI-ION LOO Ah	12 Cell	200.0/ 220.0mΩ
NG STRING		Lead Acid		3CC7M	2.200/ 2.000 V
NG STRING	,	150 Ah		60 Cell	-0.9 ⁰⁰ / 1.000/ 1.200 Ω
NG PRINT		Le	ad Acid	ANTIMONY	2.200/ 2.000 V
NGPRINT		:	L00 Ah	6 Cell	0.900/1.000/1.200 Ω
NG2		Le	ad Acid	ANTIMONY	3.000/ 2.800 V
P NG2			L00 Ah	3 Cell	03.50/ 04.00/ 04.50mΩ
NECCER		Le	ad Acid	TEST STRING	G 2.200/ 2.000 V
MEGGER		:	LOO Ah	6 Cell	03.30/ 04.00/ 04.50mΩ
Select					

Viewing D VA String records

Select desired string, then press on "Select".

Record				21 /	10 / 22 03 : 27 : 16 📒	(()
Meter Ω	String Ω	$D\ \Omega$ String	Meter VA	String VA	D VA String	
Select string	;.					
MEGGER		Le	ad Acid	ANTIMONY	2.200/ 2.000	V
MEGGER			100 Ah	6 Cell	03.50/ 04.00/ 04	.50mΩ
MEGGER			Li-ion	LIION	22.00/ 20.00	V
MEGGER			100 Ah	12 Cell	180.0/ 200.0/ 22	0.0mΩ
NG STRING		Lead Acid		3CC7M	2.200/ 2.000) V
NG STRING		150 Ah		60 Cell	0.900/1.000/1.	200 Ω
NG PRINT		Le	ad Acid	ANTIMONY	2.200/ 2.000	V
NG PRINT		:	100 Ah	6 Cell	0.900/1.000/1.	200 Ω
N		Le	ad Acid	ANTIMONY	3.000/ 2.800	V
			100 Ah	3 Cell	03.50/04.00/04	.50mΩ
мес		Le	ad Acid	TEST STRIN	G 2.200/ 2.000	V
MEG		:	100 Ah	6 Cell	03.30/ 04.00/ 04	.50mΩ
					·	
Select						

Select desired test in the left column.

÷	Rec	ord					21,	/10/22 03:28:0	o 🗐 🛛 🖪 🗤) 🎟
Ŀ	Me	ter Ω	String Ω	DΩ St	ring M	leter VA	String VA	D VA String	
•	002	MEGGER							
Ω	22	00:15:44	12	1	21.72	Vdc	0.028 Vripp	21/10/22 00:1	15:03
	22	mΩ	21.72 V	2	21.72	Vdc	0.029 Vripp	21/10/22 00:1	15:06
	21	00:14:56	12	3	21.72	Vdc	0.031 Vripp	21/10/22 00:1	15:08
VA	21	mΩ	21.72 V	4	21.72	Vdc	0.034 Vripp	21/10/22 00:1	15:11
	20	00:14:18		5	21.70	Vdc	0.026 Vripp	21/10/22 00:1	15:14
	20	mΩ	21.72 V	6	21.72	Vdc	0.032 Vripp	21/10/22 00:1	15:17
1	19	00:13:38		7	21.72	Vdc	0.028 Vripp	21/10/22 00:1	15:20
		mΩ		8	21.72	Vdc	0.031 Vripp	21/10/22 00:1	15:23
	18	00:12:50	12	9	21.72	Vdc	0.037 Vripp	21/10/22 00:1	15:26
\sim		m	21.72 V	10	21.72	Vdc	0.026 Vripp	21/10/22 00:1	15:35
	17	04:43	12	11	21.72	Vdc	0.025 Vripp	21/10/22 00:1	15:41
			.71 V	12	21.72	Vdc	0.044 Vripp	21/10/22 00:1	15:44
	16	01:02:3	12						
		tring	Multi	ple	Selec		Delete	Delete	
	ు	unig	select	tion	All		Test	Record	

Recorded values will be displayed in the right column.

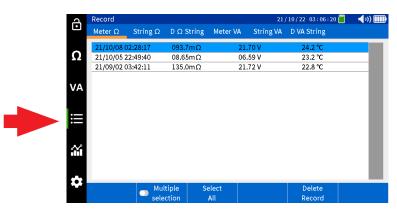
ð	Rec	ord				21,	/ 10 / 22 03 : 28 : 00 📒	📕 📢)) 🎹
Ŀ	Met	ter Ω	String Ω	DΩ St	ring Meter \	/A String VA	D VA String	
0	002	MEGGER						
Ω	22	00:15:44	12	1	21.72 Vdc	0.028 Vripp	21/10/22 00:15:0	3
	22	mΩ	21.72 V	2	21.72 Vdc	0.029 Vripp	21/10/22 00:15:0	6
	21	00:14:56	12	3	21.72 Vdc	0.031 Vripp	21/10/22 00:15:0	8
VA	21	mΩ	21.72 V	4	21.72 Vdc	0.034 Vripp	21/10/22 00:15:1	1
	20	00:14:18		5	21.70 Vdc	0.026 Vripp	21/10/22 00:15:1	4
	20	mΩ		6	21.72 Vdc	0.032 Vripp	21/10/22 00:15:1	7
	19	00:13:38		7	21.72 Vdc	0.028 Vripp	21/10/22 00:15:2	0
	1.5	mΩ		8	21.72 Vdc	0.031 Vripp	21/10/22 00:15:2	3
	18	00:12:50		9	21.72 Vdc	0.037 Vripp	21/10/22 00:15:2	6
\sim		mΩ		10	21.72 Vdc	0.026 Vripp	21/10/22 00:15:3	5
	17	04:43:01		11	21.72 Vdc	0.025 Vripp	21/10/22 00:15:4	1
		mΩ		12	21.72 Vdc	0.044 Vripp	21/10/22 00:15:4	4
**	16	01:02:36	12					
		tring	Mult	iple	Select	Delete	Delete	
	3	umg	selec	tion	All	Test	Record	

Deleting recorded data

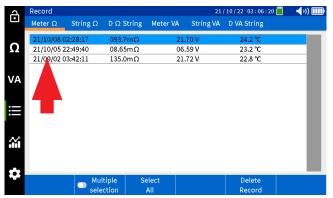
Deleting Meter Ω data

This refers to the impedance measurements not associated with a battery string.

On the BITE5 select the record ICON.



Select "Meter Ω ".

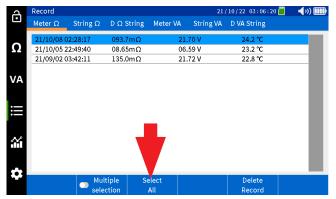


Select desired measurement, then select "Delete Record".

ð	Record			21,	/ 10 / 22 03 : 06 : 20 📒 🛛	- - (1) 🎹
Ŀ	Meter Ω String Ω	D Ω String	Meter VA	String VA	D VA String	
	21/10/08 02:28:17	093.7mΩ	21.	70 V	24.2 °C	
Ω	21/10/05 22:49:40	08.65mΩ	06.	59 V	23.2 °C	
	21/09/02 03:42:11	135.0mΩ	21.	72 V	22.8 °C	_
VA						
≣						
.						
**						
*			elect All		Done Relord	

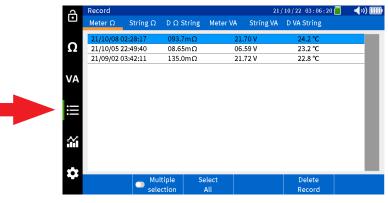
Deleting D Ω String data

To delete all records, select "Select All" then select "Delete Record".



Deleting D Ω String data This is impedance data recorded during a discharge test.

On the BITE5 select the record ICON.



Select "D Ω String".

Record				21 / 10 / 22 04 : 06 : 53 📶 🛁 📢 👀 🚺				
Meter Ω	String Ω	$D \ \Omega$ String	Meter VA	String VA	D VA String			
Select string	g.							
MEGGER		Le	ad Acid	ANTIMONY	2.200/ 2.000	V C		
WEGGER			100 Ah	6 Cell	03.50/ 04.00/ 04	.50mΩ		
MEGGER			Li-ion	LIION	22.00/ 20.00	v		
MEGGER			LOO Ah	12 Cell	180.0/ 200.0/ 22	0.0mΩ		
NG STRING		Le	ad Acid	3CC7M	2.200/ 2.000	v		
NG STRING			L50 Ah	60 Cell	0.900/1.000/1.	200 Ω		
NG PRINT		Le	ad Acid	ANTIMONY	2.200/ 2.000	v		
ING F KINT			LOO Ah	6 Cell	0.900/1.000/1.	200 Ω		
NG2		Le	ad Acid	ANTIMONY	3.000/ 2.800	V		
NG2			L00 Ah	3 Cell	03.50/ 04.00/ 04	.50mΩ		
MEGGER		Le	ad Acid	TEST STRING	G 2.200/ 2.000	v		
MEGGER			LOO Ah	6 Cell	03.30/ 04.00/ 04	.50mΩ		
<u> </u>								
Select								

Deleting D Ω String data

Select desired string, then press "Select".

ô	Record				21 /	10/22 04:06:53 📕	-(1)) 🎹
Ŀ	Meter Ω	String Ω	D Ω String Meter V		String VA	D VA String	
	Select string						
\$2	MEGGER		Lead Acid 100 Ah		ANTIMONY 6 Cell	2.200/ 2.000 03.50/ 04.00/ 04.	
VA	MEGGER			Li-ion 100 Ah	LIION 12 Cell	22.00/ 20.00 180.0/ 200.0/ 220	
	NG STRING			ead Acid 150 Ah	3CC7M 60 Cell	2.200/ 2.000 0.900/ 1.000/ 1.2	
≣	NG PRINT	NG PRINT		Lead Acid 100 Ah		2.200/ 2.000	
×	NCO			ead Acid 100 Ah	ANTIMONY 3 Cell	3.000/ 2.800 03.50/ 04.00/ 04.	
ű	мес			ead Acid 100 Ah	TEST STRIN 6 Cell	G 2.200/ 2.000 03.30/ 04.00/ 04.	
\$							_
	Select						

Select desired test in the left column, then press "Delete Test" to delete the test.

ĉ	Rec	ord							21/	10/22 0	4:07:02		(()	
Ŀ	Me	ter Ω	String Ω	DΩ	String	Meter V	A	String	VA	D VA St	ring			
	002	MEGGER												
Ω	04	01:03:46	12		1	127.7mΩ		21.71	/	23.2 °C	21/10/	22 01	L:02:14	
	04	106.8mΩ	21.71 V		2	101.3mΩ		21.71 \	/	23.3 °C	21/10/	22 01	L:02:30	
	03	03:06:20	12		3	112.4mΩ		21.71 \	/	23.5 °C	21/10/	22 01	l:02:44	
VA	03	098.4mC	21.71 V		4	111.3mΩ		21.71 \	/	23.7 °C	21/10/	22 01	L:02:51	
	02	03:57:27	12		5	108.3mΩ		21.71 \	/	23.8 °C	21/10/	22 01	L:02:58	
	02	109.7mC			5	105.2mΩ		21.71 \	/	23.9 °C	21/10/	22 01	L:03:05	
	01	03:52:39			7	102.5mΩ		21 71 \	/	24.0 °C	21/10/	22 01	L:03:12	
	-	124.2mC	21.71 V		3	099.9mΩ		2 ۱	/	24.1 °C	21/10/	22 01	L:03:19	
					Э	098.8mΩ				24.1 °C	21/10/	22 01	L:03:26	
\sim				1	0	103.3mΩ			1	24.2 °C	21/10/	22 01	L:03:33	
				1	1	107.0mΩ		2 \	/	24.2 °C	21/10/	22 01	L:03:39	
				1	2	103.3mΩ		21 1 \	/	24.3 °C	21/10/	22 01	L:03:46	
~		Select	Mult	iple	S	elect		Delete		Del	ete			
		Select	selec	tion		All		Test		Rec	ord			

To delete an individual record, select the desired record on in the right column then select "Delete Record".

ĉ	Rec	ord						21	/10/22 0	4:07:02	-)) IIII)
Ŀ	Ме	ter Ω	String Ω	DΩS	string	Meter V	'A	String VA	D VA St	ring		
	002	MEGGER										
Ω	04	01:03:46	12	1		127.7mΩ		21.71 V	23.2 °C	21/10/	22 01:02	:14
	04	106.8mΩ	21.71 V	2		101.3mΩ		21.71 V	23.3 ℃	21/10,	22 01:02	:30
	03	03:06:20	12	3		112.4mΩ		21.71 V	23.5 °C	21/10/	22 01:02	:44
VA	03	098.4mΩ	21.71 V	4		111.3mΩ		21.71 V	23.7 °C	21/10,	22 01:02	:51
	02	03:57:27	12	5		108.3mΩ		21.71 V	23.8 °C	21/10/	22 01:02	:58
	02	109.7mΩ		6		105.2mΩ		21.71 V	23.9 °C	21/10,	22 01:03	:05
III	01	03:52:39		7		102.5mΩ		21.71 V	24.0 °C	21/10	22 01:03	:12
		124.2mΩ	21.71 V	8		099.9mΩ		21.71 V	24.1	21/10,	22 01:03	:19
				9		098.8mΩ		21.71 V	24.	L/10,	22 01:03	:26
\sim				10)	103.3mΩ		21.71 V	24.2	21/10	22 01:03	:33
				11	L	107.0mΩ		21.71 V	24.2	21/10	22 01:03	:39
				12	2	103.3mΩ		21.71 V	24.3 °C	21/10,	22 01:03	:46
~		Select	Mult selec		S	ielect All		Delete Test		ete ord		

Deleting Meter VA data

Deleting Meter VA data This refers to the voltage and current measurements not associated with a battery string.

On the BITE5 select the record ICON.

ô	Record				21	/10/22 03:06:20 📕	(1) (()
Ŀ	Meter Ω	String Ω	D Ω Strin	g Meter V	A String VA	D VA String	
Ω	21/10/08 0 21/10/05 2		093.7mΩ 08.65mΩ		21.70 V 06.59 V	24.2 ℃ 23.2 ℃	
	21/09/02 0	3:42:11	135.0mΩ		21.72 V	22.8 °C	
VA							
≣							
Ŷ							
\$							
			tiple ction	Select All		Delete Record	

Select "Meter VA".

ĉ	Record				21,	/ 10 / 22 03 : 19 : 21 📒	(1) (11)
Ŀ	Meter Ω	String Ω	$D\ \Omega$ String	Meter VA	String VA	D VA String	
	21/10/22	00:42:42	0.002 V	0.0	00 V		
Ω	21/10/16 0	02:29:35	21.72 V	0.0	23 V		
	21/10/16 0	02:29:21	0.034 V	0.0	29 V		
	21/10/16 0	00:19:09	21.70 V	0.0	26 V		
VA	21/10/16 (00:18:16	21.70 V	0.0	28 V		
	21/10/05	23:10:25	26.32 V	-00	.08 A		
	21/10/05		00.28 V		.54 A		
III	21/09/01 (0.003 V	00	00 A		
	21/09/01 (04:07:51	0.003 V	00	00 A		
.							
\$				elect All		Delete Record	

Select desired measurement, then select "Delete Record".

ĉ	Record				21	/ 10 / 22 03 : 19 : 21 📶 🛛	 (i)
Ŀ	Meter Ω	String Ω	$D \Omega$ String	Meter VA	String VA	D VA String	
	21/10/22	00:42:42	0.002 V	0.0	00 V		
Ω	21/10/16	02:29:35	21.72 V	0.0	23 V		
	21/10/16	02:29:21	0.034 V	0.0	29 V		
	21/10/16	00:19:09	21.70 V	0.0	26 V		
VA	21/10/16	00:18:16	21.70 V	0.0	28 V		
	21/10/05	23:10:25	26.32 V	-00.	08 A		
	21/10/05	23:09:58	00.28 V	04.	54 A		
≣	21/09/01	04:07:55	0.003 V	000	A 00		
·	21/09/01	04:07:51	0.003 V	000	A 00		
∰ ₩							
				elect All		Delete Record	

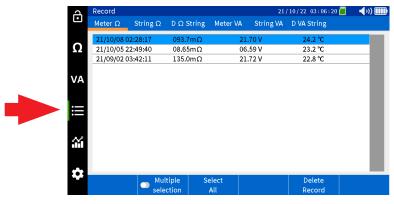
To delete all records, select "Select All" then select "Delete Record".

÷	Record				21,	/ 10 / 22 03 : 19 : 21 📒	🔹 📢 💷 🕪
•	Meter Ω	String Ω	$D \ \Omega$ String	Meter VA	String VA	D VA String	
	21/10/22	00:42:42	0.002 V	0.0	00 V		
Ω	21/10/16	02:29:35	21.72 V	0.0	23 V		
	21/10/16	02:29:21	0.034 V	0.0	29 V		
	21/10/16	00:19:09	21.70 V	0.0	26 V		
VA	21/10/16	00:18:16	21.70 V	0.0	28 V		
	21/10/05	23:10:25	26.32 V	-00	08 A		
	21/10/05	23:09:58	00.28 V	04.	54 A		
≣	21/09/01	04:07:55	0.003 V	00	A 00		
·	21/09/01	04:07:51	0.003 V	00	A 00		
₩							
~				evect All		Delete Record	

Deleting String VA data

This refers to the voltage and current measurements associated with a particular battery string.

On the BITE5 select the record ICON.



Select "String VA".

പ	Record					21/10	/ 22 03 : 22 : 55	🗐 📢 vi) 🎹
⊡	Meter Ω	String Ω	$D\ \Omega$ String	Meter VA	String	, VA D	VA String	
	Select string							
12	MEGGER			ea <mark>d Acid</mark> 100 Ah	1	INY	2.200/2	
/A	MEGGER			Li-ion 100 Ah	120	N Jell	22.00/ 2 180.0/ 200.0	
	NG STRING			ead Acid 150 Ah		C7M Cell	2.200/ 2.200/ 2.00	
	NG PRINT			Lead Acid 100 Ah		MONY ell	2.200/ 2.200/ 2.00	
\sim	NG2			ead Acid 100 Ah		MONY ell	3.000/2	
Ý	MEGGER			ead Acid 100 Ah	TEST S 6 C	STRING ell	2.200/ 2	
•							,	
	Select							

Select desired string, then press "Select".

ð	Record				21/1	0 / 22 03 : 22 : 55 📶 👘 ┥ i)) 🛄
•	Meter Ω	String Ω	$D\ \Omega$ String	Meter VA	String VA	D VA String
~	Select string					
Ω	MEGGER		Le	ead Acid	ANTIMONY	2.200/ 2.000 V
	MEGGER			100 Ah	6 Cell	03.50/ 04.00/ 04.50mΩ
	MEGGER			Li-ion	LIION	22.00/ 20.00 V
VA	MEGGER			100 Ah	12 Cell	180.0/ 200.0/ 220.0mΩ
		NG STRING		ead Acid	3CC7M	2.200/ 2.000 V
	NG STRING			150 Ah	60 Cell	0.900/ 1.000/ 1.200 Ω
			Le	ad Acid	ANTIMONY	2.200/ 2.000 V
				100 Ah	6 Cell	0.900/1.000/1.200 Ω
	N		Le	ad Acid	ANTIMONY	3.000/ 2.800 V
\sim	IN			100 A h	3 Cell	03.50/ 04.00/ 04.50mΩ
ĩ	ME CON		Le	ad Acid	TEST STRING	5 2.200/ 2.000 V
	MEG			100 Ah	6 Cell	03.30/ 04.00/ 04.50mΩ
						·
Ľ,	Select					

Deleting D VA String data

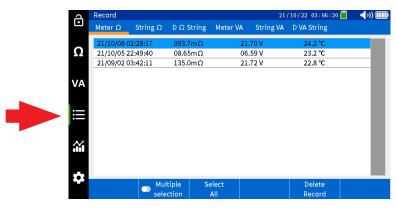
Select desired record, then select "Delete Record".

ð	Record				21	/ 10 / 22 03 : 23 : 05 📒 🛛	 (i)
Ŀ	Meter Ω	String Ω	$D \Omega$ String	Meter VA	String VA	D VA String	
	002 MEGGEI	2					
Ω	21/10/21 0	5:05:38	21.71 V	-00	.06 A		
	21/10/21 0	5:05:34	21.71 V	-00	.06 A		
	21/10/16 0	3:36:52	21.70 V	0.	024 V		
VA	21/10/16 0	3:36:45	21.70 V	0.	023 V		
	21/10/16 0	3:36:33	21.70 V	0.	019 V		
	21/10/16 0	3:36:21	21.70 V	0.	000 V		
	21/10/16 0	3:05:04	0.014 V	0.	022 V		
	21/10/16 0	0:24:42	21.70 V	-00	001 A		
	21/10/16 0		21.70 V	-00	001 A		
\sim	21/10/16 0	0:24:34	21.70 V	-00	001 A		
	21/10/16 0		21.70 V	-00	001 A		
	21/10/16 0		21.70 V		001 A		
	21/10/16 0	0:24:22	21.70 V	-00	001 A	V	
	String		ltiple S ection	Select All	Delete Test	Delete Record	

Deleting D VA String data

This refers to the recorded voltages taken during a discharge test.

On the BITE5 select the record ICON.



Select "D VA String".

÷	Record				21/1	l0 / 22 03 : 27 : 16 📶 👘 📢 🔰 🎹
<u>.</u>	Meter Ω	String Ω	$D\ \Omega$ String	Meter VA	String VA	D VA String
	Select string					
2	MEGGER			ead Acid 100 Ah	ANTIMONY 6 Cell	2.200/ 2.000 V 03.50/ 04.00/ 04.50mΩ
Ά	MEGGER NG STRING			Li-ion 100 Ah	LIION 12 Cell	22.00/ 20.00 V 0/ 200.0/ 220.0m Ω
				ead Acid 150 Ah	3CC7M 60 Cell	200/ 2.000 V (1.000/ 1.200 Ω
	NG PRINT			ead Acid 100 Ah	ANTIMONY 6 Cell	2.200/ 2.000 V 0.200/ 1.000/ 1.200 Ω
م	NG2			ead Acid 100 Ah	ANTIMONY 3 Cell	3.000/ 2.800 V 03.50/ 04.00/ 04.50mΩ
í	MEGGER			ead Acid 100 Ah	TEST STRING 6 Cell	G 2.200/ 2.000 V 03.30/ 04.00/ 04.50mΩ
Í	Select					

Deleting D VA String data

Select desired string, then press "Select".

ô	Record				21/1	0 / 22 03 : 27 : 16 📶	- - (1) 🎹
Ŀ	Meter Ω	String Ω	$D\ \Omega$ String	Meter VA	String VA	D VA String	
~	Select string						
Ω	MEGGER			ead Acid 100 Ah	ANTIMONY 6 Cell	2.200/ 2.00	
VA	MEGGER			Li-ion 100 Ah	LIION 12 Cell	22.00/ 20.0 180.0/ 200.0/ 22	v
	NG STRING			ead Acid 150 Ah	3CC7M 60 Cell	2.200/ 2.00/ 0.900/ 1.000/ 1.	νc
≣	NG PRINT			ead Acid 100 Ah	ANTIMONY 6 Cell	2.200/ 2.00	
	NCO			ead Acid 100 Ah	ANTIMONY 3 Cell	3.000/ 2.80 03.50/ 04.00/ 04	νc
.	мес			ead Acid 100 Ah	TEST STRING 6 Cell		νc
÷						, ,	
	Select						

Select desired test in the left column, then select "Delete Test".

ĉ	Rec	ord						21 /	10/22 (03:28:00		📢 v) 🎹
	Me	ter Ω S	itring Ω	DΩS	tring	Meter \	/A St	ring VA	D VA S	tring		
	002	MEGGER										
Ω	22	00:15:44	12	1	21.	72 Vdc	0.028	Vripp	21/10	/22 00:1	5:03	
	22	mΩ	21.72 V	2	21.	72 Vdc	0.029	Vripp	21/10	/22 00:1	5:06	
	21	00:14:56	12	3	21.	72 Vdc	0.031	Vripp	21/10	/22 00:1	5:08	
VA	21	mΩ	21.72 V	4	21.	72 Vdc	0.034	Vripp	21/10	/22 00:1	5:11	
	20	00:14:18	12	5	21.	70 Vdc	0.026	Vripp	21/10	/22 00:1	5:14	
	20	mΩ	21.72 V	6	21.	72 Vdc	0.032	Vripp	21/10	/22 00:1	5:17	
III	19	00:13:38	12	7	21.	72 Vdc	0.028	Vripp	21/10	/22 00:1	5:20	
		mΩ	21.72 V	8	21.	72 Vdc	0.03	рр	21/10	/22 00:1	5:23	
	18	00:12:50	12	9	21.	72 Vdc	0.03	pp,	21/10	/22 00:1	5:26	
\sim		mΩ	21.72 V	10	21.	72 Vdc	0.0	6	21/10	/22 00:1	5:35	
	17	04:43:01	12	11	21.	72 Vdc	0.02	р	21/10	/22 00:1	5:41	
	_	mΩ	21.71 V	12	21.	72 Vdc	0.044	pp	21/10	/22 00:1	5:44	
1	16	01:02:36	12									
	۰ ۲	tring	🚬 Multi	ple	Se	elect	De	lete	De	lete		
		unig:	📕 select	tion		All	Te	est	Re	cord		

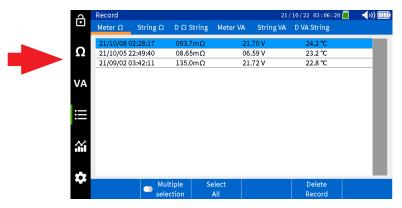
To delete an individual record, select the desired record on in the right column then select "Delete Record".

ð	Rec	ord					21	/10/22_03:	28 : 00 📶	4 0) 🎟
Ŀ	Met	ter Ω	String Ω	DΩ St	ring M	eter VA	String VA	D VA Strin	ıg	
	002	MEGGER								
Ω	22	00:15:44	12	1	21.72	Vdc	0.028 Vripp	21/10/22	00:15:03	
	22	mΩ	21.72 V	2	21.72	Vdc	0.029 Vripp	21/10/22	00:15:06	
	21	00:14:56	12	3	21.72	Vdc	0.031 Vripp	21/10/22	00:15:08	
VA	21	mΩ	21.72 V	4	21.72	Vdc	0.034 Vripp	21/10/22	00:15:11	
	20	00:14:18		5	21.70	Vdc	0.026 Vripp	21/10/22	00:15:14	
	20	mΩ		6	21.72	Vdc	0.032 Vripp	21/10/22	00:15:17	
iiii	19	00:13:38	12	7	21.72	Vdc	0.028 Vripp	21/10/22	00:15:20	
	1.5	mΩ		8	21.72	Vdc	0.031 Vripp	21/1	00:15:23	
	18	00:12:50		9	21.72	Vdc	0.037 Vripp	21 (1	22:15:26	
$\boldsymbol{}$		mΩ		10	21.72	Vdc	0.026 Vripp	21/	0:15:35	
	17	04:43:01		11	21.72	Vdc	0.025 Vripp	21/1	00:15:41	
		mΩ		12	21.72	Vdc	0.044 Vripp	21/10, 2	00:15:44	
\$	16	01:02:36	12					· · · · · · · · · · · · · · · · · · ·		
*	S	tring	Multi select		Selec All	t	Delete Test	Delet Recor		

Deleting a string configuration

Deleting a string configuration

On the BITE5 select the record ICON.



Select "String Ω ".

ð	Record				21/	10/22 03:06:28	📕 📢 🗤 🛄
Ŀ	Meter Ω	String Ω	$D \ \Omega$ String	Meter VA	String VA	D VA String	
	Select string						
52	MEGGER			ead Acid 100 Ah	ANTIMONY 6 Cell	2.200/ 2. 03.50/ 04.00/	
VA	MEGGER			Li-ion 100 Ah	LIION 12 Cell	22.00/ 20 180.0/ 200.0/	
	NG STRING			ead Acid 150 Ah	3CC7M 60 Cell	2.200/ 2. 0.900/ 1.000	
≣	NG PRINT			ead Acid 100 Ah	ANTIMONY 6 Cell	2.200/2.	
×2	NG2			ead Acid 100 Ah	ANTIMONY 3 Cell	3.000/2. 03.50/04.00/	
*	MEGGER			ead Acid 100 Ah	TEST STRIN 6 Cell	G 2.200/ 2. 03.30/ 04.00/	
**						, ,	
	Select	Add	Б	dit			Delete String

Select desired string then press "Delete String".

ð	Record				21/1	0 / 22 03 : 06 : 28 🚪	🌒 📢 v) 🎹
Ŀ	Meter Ω	String Ω	$D \ \Omega$ String	Meter VA	String VA	D VA String	
	Select string						
Ω	MEGGER			ead Acid 100 Ah	ANTIMONY 6 Cell	2.200/ 2.0 03.50/ 04.00/	
VA	MEGGER			Li-ion 100 Ah	LIION 12 Cell	22.00/ 20 180.0/ 200.0/	.00 V
	NG STRING			ead Acid 150 Ah	3CC7M 60 Cell	2.200/ 2.0	
	NG PRINT		-	ead Acid 100 Ah	ANTIMONY 6 Cell	2.200/ 2.0	
•	NG2			ead Acid 100 Ah	ANTIMONY 3 Cell	3.000/ 2.4 03.50/ 04.00/	
Ŷ	MEGGER			ead Acid 100 Ah	TEST STRIN 6 Cell	, ,	000
•						, ,	
	Select	Add		dit			Delete String

Saving a screen snapshot

Saving a screen snapshot

The BITE5 allows you to save screen images as bitmaps.

To do this, momentarily press and release the Power ON/OFF button.



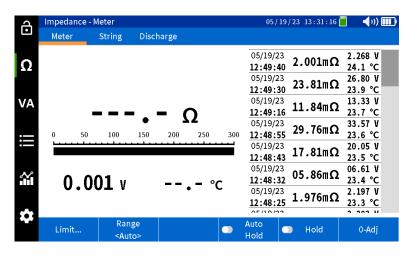
The displayed screen shall be saved to the SD card as a bitmap file.

The bitmap will be located at the following path.

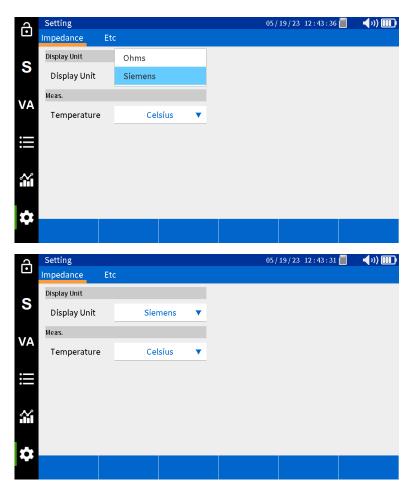
Measure and view data in Siemens. Option available on BITE-SE model

The BITE5-SE can be configured to measure and view data in either ohms or siemens.

To choose the desired selection open the "Configuration" screen by clicking on the configuration ICON.



In the "Display Unit" field select Siemens.



Measure and view data in Siemens. Option available on BITE-SE model

When the BITE5-SE if set to Siemens, the following features will be available.

Reference, warning, and alarm limits can be programmed in Siemens. (Note, these values will automatically toggle between ohms and siemens, based on the chosen unit setting.

ð	Record Meter S	String S D S	String Me	ter VA Strir	05 / ng VA	19/23 12:44 D VA String		4)) IIII)
•	New/Edit St		String Me	iter va Still	ig va	D VA String		
S	ldx	002 🔻	Name	MEGGER LEA	D CALC	IUM		
VA	Туре	Lead Acid 🔻	Model	3CC 3M78901	123456789212345			
	Cell	024	Capacity	0050	Ah	•		
	Ref Ω	0476	S 🔻	Ref V	2	.000	٧	
\sim	Warning	0417	S 🔻	Lower	1	.800	٧	
	Alarm	0345	S 🔻					
\$								Connect
						Ok		Cancel

Measured battery value will be recorded in Siemens.



Recorded data can be viewed as text data in Siemens.

The text screen will also display the Minimum recorded cell value, the maximum recorded cell value as well as the average recorded cell value.

ð	Record				05	/19/23 1	3 : 37 : 23	🛯 ┥ v) 🛽	
Ŀ	Meter S	String S	D S Strin	g Meter V	A String VA	D VA St	ring		
	002 MEGGER LEAD CALCIUM								
S	06/17/22	24	Min	329.5 S	Cell	10	06/17/2	2 12:10:59	1
	361.0 S	2.027 V	Max	380.7 S	Cell	16	06/17/2	2 12:11:54	
			Avg	361.0 S					
VA			1	362.3 S	2.025 V	23.8 °C	06/17/2	2 12:09:35	
			2	340.0 S	2.026 V	23.8 °C	06/17/2	2 12:09:44	
			3	332.9 S	2.025 V	23.8 °C	06/17/2	2 12:09:54	
i			4	353.2 S	2.026 V	23.8 °C	06/17/2	2 12:10:04	
			5	355.0 S	2.026 V	23.8 °C	06/17/2	2 12:10:13	
			6	355.5 S	2.028 V	23.8 °C	06/17/2	2 12:10:23	_
\sim			7	363.2 S	2.026 V	23.8 °C	06/17/2	2 12:10:31	
			8	350.8 S	2.027 V	23.8 °C	06/17/2	2 12:10:40	
			9	356.0 S	2.026 V	23.8 °C	06/17/2	2 12:10:50	_
			10	329.5 S	2.023 V	23.8 °C	06/17/2	2 12:10:59	
	C L L	Multi	ple	Select	Delete	Del	ete		
	Select	select	ion	All	Test	Rec	ord		

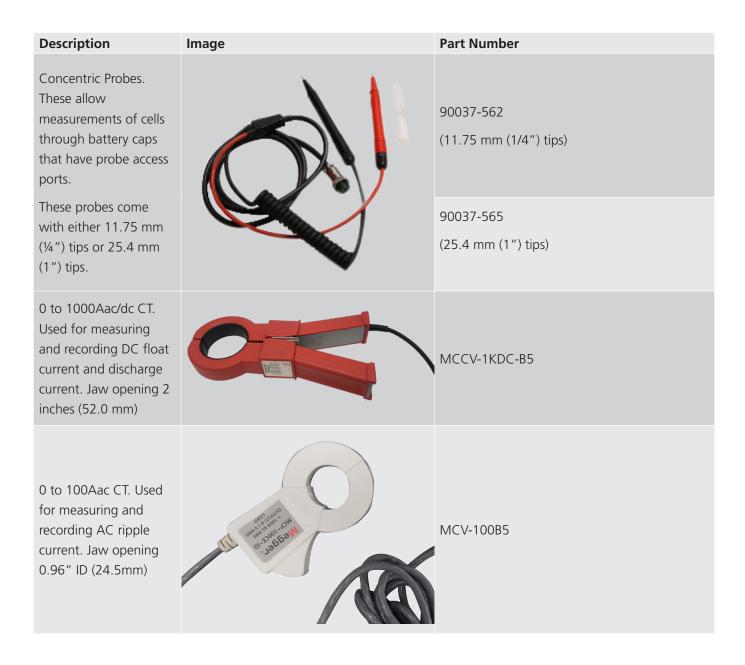
Measure and view data in Siemens. Option available on BITE-SE model

Recorded data can be viewed as a chart in Siemens.

ð	Analyzer				05	/19/23 13:35:	42 📶 🛛 🚽 🍿 💷 🕨
Ŀ	Cell S	String S	D S Cel	l D S String	g DVA Cell	D VA String	
6	002 MEGGER	LEAD CALCI	JM				
S	06/17/22		1	362.3 S	2.025 V	23.8 °C 06/1	7/22 12:09:35
	361.0 S	2.027 V	2	340.0 S	2.026 V	23.8 °C 06/1	7/22 12:09:44
VA			3	332.9 S	2.025 V	23.8 °C 06/1	7/22 12:09:54
			4	353.2 S	2.026 V	23.8 °C 06/1	7/22 12:10:04
			5	355.0 S	2.026 V	23.8 °C 06/1	7/22 12:10:13
::::			0.400k				
			0.350k- 0.300k	5 10 1	5 20 25	30 35 40	45 50 55 60
	Select	C Reco	ord 🧲	Chart	Chart <impedance></impedance>	Prev Page	Next Page

Accessories

Optoinal Accessories



Maintenance

Do not leave the instrument connected to the system under test when not in use.

Do not use the instrument or connect it to any external system if it shows any visible signs of damage, malfunction, or if it has been stored in unfavorable conditions.

If this equipment is used in the manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

Battery charging

The BITE5 uses rechargeable Li-ion batteries. Only recharge batteries using the supplied power adapter.

Battery charging starts once the power adapter is connected and plugged into AC.

The battery charge will take approx. 4 hours to complete. If the unit is operated off of the AC adapter, then the charging time will be longer.

The BITE5 can be left connected to the charging adapter for extended periods. The batteries will not be damaged even after full charge.

Battery charging status icon

lcon	Descriptions
	Battery charging amount more than 85 %
	Battery charging amount more than 70 %
	Battery charging amount more than 50 %
	Battery charging amount more than 25 %
	Battery is fully discharged (after warning sounds, unit will shut off)
	Adapter connected, unit charging

Cleaning and Storage

Do not leave the instrument connected to the system under test when storing or cleaning.

Unit Cleaning

Clean with wet cloth and soft soap. Do not use organic solvents or alcohol as markings on the unit may be damaged.

Storage

When storing for long periods of time, there is no need to remove the battery pack.

However, all batteries experience self-discharge. This will lead to a gradually draining of the batteries.

For best battery life, it is recommended that batteries are charged once a month.

Batteries need to be charged a minimum of once every 6 months.

Cleaning probes

Clean with wet cloth and soft soap. Do not use organic solvents or alcohol.

Megger.

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