



- Mid-range circuit breaker analyser providing a new level of accuracy to your standard measurements
- Intuitive operation offers final measurement results with a minimum of user interaction
- Measurement performance inherited from market leader Megger TM series circuit breaker analysers
- Instrument and accessories designed for the most demanding field conditions
- Easy-to-use and intuitive interface

DESCRIPTION

EGIL200 is the first incarnation in a new range of circuit breaker analysers from Megger. It has been designed in close cooperation with global industry reference groups drawing experience from the market leading and hugely successful Megger TM series of circuit breaker analysers.

The emphasis in the development of the EGIL200 has been on ease of use, ensuring that the time spent on setting up measurements is kept to a minimum. As such, with the EGIL200, you can get your test results done in no time.

Connection to the test object has also been streamlined and with only one hook-up, all following operations or measurements can be made:

- 1. Timing of main and PIR contacts
- 2. Coil current analysis of close, open 1 and 2 coils
- 3. Station voltage measurements
- 4. Motion measurements
- 5. Motor current measurement
- 6. Minimum pickup voltage test for close, open 1 and open 2

The patented DualGround[™] timing using the DCM module makes the testing safe and time saving by keeping the circuit breaker grounded on both sides throughout the test. The DCM module uses a measuring technology called Dynamic Capacitive Measurement.

With both main instrument and accessories designed for the most demanding field conditions, EGIL200 is your complete toolbox for daily, hassle-free circuit breaker condition assessments.

BENEFITS

EGIL200 offers all standard measurements from IEEE C37 and IEC 62271 standards and brings high-end features from the TM series into the affordable mid-range segment:

- Offers all standard measurements based on international standards
- Intuitive and user-friendly operation a minimum of user interventions needed from power-up of instrument to documented measurement result
- Instrument fitted in rugged IP67 rated case and accessories in easy-to-carry backpack
- Designed for medium to high voltage circuit breakers
- One-click reporting to pdf or printed on optional, integrated printer
- Dedicated control output for open coil 2
- Multi-functional control channels that, with only one connection, manage control pulses and can measure station voltages and coil currents
- Galvanically insulated and polarity independent auxiliary contact timing channels, automatically adapted for dry and wet contacts
- Accurate pre-insertion resistor contact timing and resistance value measurement thanks to patented Active Interference Suppression technology
- Static and dynamic resistance measurement on up to three contacts simultaneously (model depending).

Product Image Disclaimer. Please note that the product image displayed for EGIL200 is a model intended to showcase our range of products. The channel configuration shown in the image may not be available for purchase. Please refer to the product specifications and descriptions for accurate information on available channel configurations.



FEATURES AND BENEFITS

1. CONTROL

Breaker control (close, open 1 and open 2) and external trig inputs Station voltage and coil current measurement

- 2. PARKING SPACE
 - For safe disconnection of coil circuits
- 3. TIMING AUX

3 channels for auxiliary contact timing and external trig 4. DIGITAL

3 digital inputs for incremental motion transducers

5. 1-3 BNC INPUTS

1-3 BNC inputs dedicated for current clamps

6. MULTI-PURPOSE CHANNELS 1-3 multi-purpose analog channels

7. TIMING M/R, DRM/VDS

Timing of main and resistor contacts, DRM, SRM and CT / VDStiming on 1 break per phase (Only EGIL211, EGIL213)

8. TIMING M/R

Timing of main and resistor contacts on up to 4 breaks per phase (Only EGIL221, EGIL223, EGIL241, EGIL243)

9. DCM DualGround™

Input for 1-2 DCM200 (opt. accessory), for main contact timing with both sides grounded

10. DRM

DRM control output (opt. accessory)

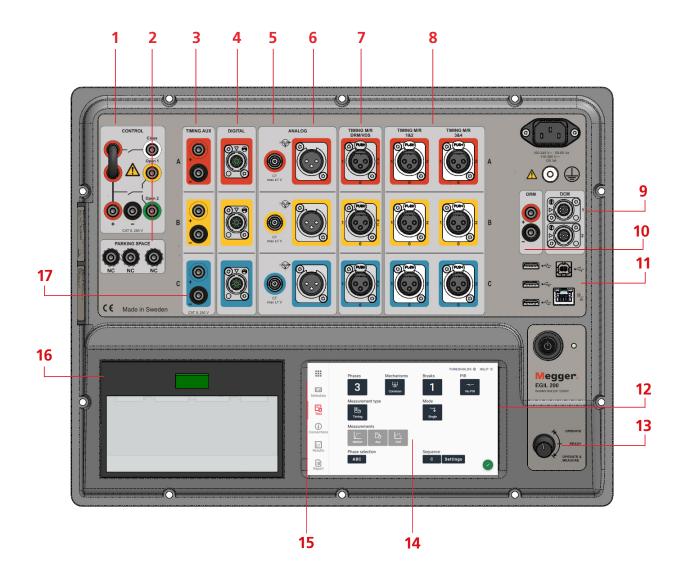
11. USB AND ETHERNET PORT

 $3 \times \text{USB} \text{ A}$, $1 \times \text{USB} \text{ B}$ and $1 \times \text{RJ45}$

- 12. LCD SCREEN 7" high visibility touch screen
- 13. OPERATE / MEASURE ROTARY SWITCH

14. ICONOGRAPHY

- Contrast rich iconography for best visibility and understanding **15. USER INTERFACE**
 - Workflow based (Nameplate, test settings, connections, results, report)
- **16. PRINTER** Optional 4" thermal printer
- **17. COLOUR CODED CONNECTORS AND LEADS** For easy verification of connections





SPECIFICATIONS EGIL200

Specifications are valid after 30 minutes warm up time. System time base drift 0.001 % per year. Specifications are subject to change without notice.

Environment

Application field	For use in medium and high voltage substations and industrial environments
Temperature	
Operating	-20 °C to +55 °C (-4 °F to +131 °F)
Storage & transport	-30 °C to +70 °C (-40 °F to +158 °F)
Humidity	5 % – 95 % RH, non-condensing
Altitude	
Operating	Up to 2000 m (6562 ft) max. 240 V AC / 250 V DC on mains, max. 250 V AC / 300 V DC on CONTROL and TIMING AUX inputs. Between 2000 m (6562 ft) and 5000 m (16404 ft) max. 150 V AC / DC on mains, CONTROL and TIMING AUX inputs
CE-marking	
LVD	2014/35/EU
EMC	2014/30/EU
RoHS	2011/65/EU
General	
Mains input (nominal)	100 – 240 V AC, 50 / 60 Hz, 110 – 250 V DC
Power consumption	200 VA (max.)
Dimensions	474 x 415 x 214 mm (18.7" 16.3" 8.4")
Weight	12 kg (26.5 lbs)
IP-rating (IEC 60529):	
Closed case	IP67
Open case	IP20
Data memory capacity	1.4 GB, corresponding to up to 6000

1.4 GB, corresponding to up to 6000 basic recordings or up to 1500 advanced recordings

7" (17.8 cm) LCD, Capacitive touch screen

English, French, German, Spanish and

3 USB A. 1 USB B for connection to

RJ45 for connection to external PC

On-screen and optional USB keyboard

external PC

Display

Available languages

Swedish Communication interfaces

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Keyboard External outputs

Trig output for SDRM20X

Output voltage12 V DC ±10 %Short circuit protectionPTC 250 mASwitching current<250 mA, resistive load</td>

Control section

General Control pulse outputs

Time base inaccuracy
Max. sample rate
Measurement time

Close, open 1 and open 2 (Galvanically insulated from earth and each other) ±0.01 % of reading ±1 sample interval 40 kHz Up to 10 s

Non-bouncing switch

Max. current	60 A AC / DC, pulse \leq 20 ms	
Max. continuous	5 A	
current		
Duration	User configurable in steps of 1 ms	
Delay	User configurable in steps of 1 ms	
¹ With standard 5 m test leads and	floating test object	

Current measurement

Measurement range	±80 A
Resolution	16 bits
Inaccuracy	±2 % of reading ±0.1 % of range
Voltage measurement	t
Max. voltage	250 V AC, ±300 V DC
Measurement range	± 400V
Resolution	16 bit
Inaccuracy	±1 % of reading ±0.1 % of range
Timing M/R section	on
General	
No. of channels	3,6 or 12 selectable at ordering
_, , ,	

Time base inaccuracy ±0.01 % of reading ±1 sample interval Min. detected contact 0.05 ms bounce Max. sample rate 40 kHz Measurement time Up to 10 s Timing of main and resistor contacts Open circuit voltage Toggling ±12 V ±10 % 22 mA ±10 % Short cicuit current 50/60 Hz interference suppression Active Interference Suppression, Megger patent **Transient disturbance suppression** Smart digital filter

Status threshold

User configurable thresholds	
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 $\begin{array}{ll} \mbox{Main} & \mbox{Closed} < 10 \ \Omega < \mbox{Open} \mbox{(Factory default)} \\ \mbox{Main and resistor} & \mbox{Main} < 10 \ \Omega < \mbox{PIR} < 2 \ \mbox{k} \Omega < \mbox{Open} \mbox{(Factory default)} \\ \mbox{default)} \end{array}$

PIR resistance measurement

/ . le	VOL TRAINCALD DRAWDC'
Inaccuracy	± 5 % of reading ± 0.1 % of range ¹
Measurement range	10 Ω – 10 kΩ
Supported PIR types	Linear PIR

Voltage measurement (Only TIMING M/R, DRM/VDS inputs)

Measurement ranges	±50 V and ±2.5 V
Resolution	16 bits
Inaccuracy	±1 % of reading ±0.1 % of range



Analog section

General

No. of channels 1 or 3 isolated channels Time base inaccuracy ±0.01 % of reading ±1 sample interval Max. sample rate 40 kHz Measurement time Up to 10 s 500 Ω – 5 kΩ Transducer resistance Output Voltage 10 V DC ±5 %

Max. output current 30 mA

16 bits

Voltage measurement

Max. voltage $\pm 10 V_{peak}$ Measurement ranges ± 1 V and ± 10 V Resolution

Inaccuracy

1 V range 10 V range

±0.1 % of reading ±0.1 % of range ±1 % of reading ±0.1 % of range

External current measurement

Max. input Scaling

 $\pm 1 V_{peak}$ Selectable in software

Digital section

General

No. of channels 3 Incremental transducers, RS422 Supported types Time base inaccuracy ±0.01 % of reading ±1 sample interval 40 kHz Max. sample rate Up to 10 s Measurement time Output Voltage 12 V DC ±5 %

300 mA

1 pulse

40 kHz

Up to 10 s

24 V DC ± 5 %

10 mA DC ±5%

(Factory default)

±32000 pulses

3 isolated channels

250 V AC, ±300 V DC

Open < -10 V < Closed < 10 V< Open

Max. output current

Digital input Range

Resolution Inaccuracy

±1 pulse

Timing Aux section

General

No. of channels Time base inaccuracy ±0.01 % of reading ±1 sample interval Max. sample rate Measurement time Max. voltage

Contact mode

Open circuit voltage Short circuit current User configurable status threshold

Printer (optional)

Туре	Thermal printer
Paper width	112 mm, 114 mm (4.41", 4.48")
Operating temperature	0 °C to +60 °C (32 °F to +140 °F)
Storage & transport	-20 °C to +70 °C (-4 °F to +158 °F)



Included cables

	d with the necessary number of timing cables ming channels available	2 and 4 breaks per phase	1 break per phase	
		High voltage lead kit	Medium voltage lead kit	High voltage lead kit
GA-00850	 Timing M/R cable For 2 breaks/phase XLR3 male to banana connector, 5 m (16.4 ft) 	\checkmark		
	 Length of the split portion (retractable sock), 2.4 m (8 ft) to 3.8 m (12 ft) 			
GA-00851	Timing M/R extension cable			
	 XLR3 male to XLR3 female, 10 m (32.8 ft) 	\checkmark		\checkmark
GA-00853	 Timing M/R medium voltage cable 3 x XLR3 male to banana, 3 m (9.8 ft) Length of the split portion 0.5 m (1.6 ft) 		\checkmark	
GA-00854	 Timing M/R high voltage cable For 1 break/phase XLR3 male to banana, 5 m (16.4 ft) Length of the split portion (retractable sock), 2.4 m (8 ft) to 3.8 m (12.5 ft) 			\checkmark
GA-00871	 Timing AUX cable 6 banana test leads in a common sleeve, 5 m (16.4 ft) Length of the split portion, 0.5 m (1.6 ft) Includes connection adapters 	\checkmark	\checkmark	\checkmark
GA-90002	 Control cable kit 5 banana test leads in a common sleeve, 5 m (16.4 ft) Length of the split portion (retractable sock), 0.5 m (1.6 ft) to 1.5 m (4.9 ft). Includes connection adapters 	\checkmark	\checkmark	\checkmark



Included accessories

		2 and 4 breaks per phase	1 break per phase	
		High voltage lead kit	Medium voltage lead kit	High voltage lead kit
KD-03040	 Timing M/R clamp Banana connector and strain relief 	\checkmark	\checkmark	<i>√</i>
GA-01005	Analog cable			
	 Screened cable XLR3 female to XLR3 male, 10 m (32,8 ft) 	\checkmark	\checkmark	\checkmark
CM-8200X	EGIL200 Viewer			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	 The PC software EGIL200 Viewer is used to analyze results and create pdf reports The installation file is preloaded on the supplied USB memory 	\checkmark	\checkmark	1
2012-180	 Lead and accecory bag Lead and accessory bag with backpack straps and hand straps. Variable height through zipper solution. Dimensions 580 x 355 x 165/228 mm (23" x 14" x 6.5"/9") 	\checkmark	\checkmark	\checkmark
GC-00100	Thermal printing paperOnly for models with printer			
Other material included	-			
 Ethernet cable 5 m (16) 				
 USB cable 3 m (9.8 ft) USB memory stick 		\checkmark	\checkmark	\checkmark
Lead ties				
Power cable				
 User Guide 				



Optional accessories

Iterasducers EGIL200 Analog input. XB-39131 Rotary digital transducer kit With 10 m (33 ft) cable and flexible coupling File with transducer mounting kit XB-51020 GA-00891 File with transducer mounting kit XB-51020 GA-00886 File adapter • EdiL200 digital to TM17/1800 transducer mounting kit XB-51020 First trip kits • neutriCON male to DSUB15 female to DSUB15 female, 0.3 m (1 ft) For three operating mechanism 3 + 3 damp (BL-90710) GA-00886 Cable adapter EGIL200 Timing MR, DRM/VOS input • Linear analog transducer troubuing kit XB-51020 File with transducers • neutriCON male to DSUB15 female, 0.3 m (1 ft) Statamp (BL-90710) KA-11620 Current damp dapter • EGIL200 Timing MR, DRM/VOS input • KIR male / BNC female, 0.3 m (1 ft) KA-11620 Current damp dapter • EGIL200 Timing MR, DRM/VOS input • KIR male / BNC female, 0.3 m (1 ft) KA-11620 Current damp dapter • EGIL200 adjutal to TM17/1800 transducer mounting kit XB-51020 • Curent damp dapter<	XB-51020	Universal transducer mounting kit	GA-00874	SDRM voltage sense adapter
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XB-39131 Retary digital transducer kit With 10 m (33 ft) cable and flexible coupling • Fits with transducer mounting kit x8-51020 • Fits with transducer mounting kit x8-51020 • Fits with transducer mounting kit x8-51020 • Fits with transducer mounting kit x8-51020 • Fits with transducer mounting kit x8-51020 • neutric ON female to neutriCON male; 10 m (33 ft) • For single operating mechanism: 3 + 3 clamps (BL-90700) • For single operating mechanism: 3 + 3 clamps (BL-90710) • For three operating mechanism: 3 + 3 clamps (BL-90710) • Fits with transducer mounting kit x8-51020 • Cable adapter • EGIL200 digital to TM17/1800 transducer • For single operating mechanism: 3 + 3 clamps (BL-90710) • For three operating mechanism: 3 + 3 clamps (BL-90710) • For three operating mechanism: 3 + 3 clamps (BL-90710) • EGIL200 digital to TM17/1800 transducer • A clamp adapter • EGIL200 transducer • 225 mm (8.8") travel • 11 tracs analog transducer • 225 mm (8.8") travel • 225 mm (8.8") travel • EGIL200 balGround** timing • DCM200 Daclaround** timing • DCM200 Daclaround** timing • DCM200 Daclaround** timing • DCM200 Daclaround** timing • DCM200 Daclaround** timing • DCM200 Daclaround** timing • DCM200 Daclaround** times				 XLR3 female / XLR3 male, 0.3 m (1 ft)
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GA-00891 - Fits with transducer mounting kit XB-51020 - First trip kits Image: 10 m (33 ft) - neutriCON female to neutriCON male, 10 m (33 ft) - For single operating mechanism: 3 + 3 clamp (BL-90710) GA-00886 Cable adapter - EGIL200 digital to TM17/1800 transducers - For single operating mechanism: 3 + 3 clamp (BL-90710) GA-00873 - EGIL200 digital to TM17/1800 transducers - neutriCON male to DSUB15 female, 0.3 m (1 ft) XB-30017 Linear analog transducer tH-425 - 225 mm (8.8") travel Image: S10200 - Fits with transducer mounting kit XB-51020 XA-11620 CM-09290/ CM-09292 DCM200 Dachannels (CM-09292) - Cable length 2 m (6.6 ft) DualGround™ method - Test cables, 11 m (35 ft) - Requires software license CM-8002X DualGround™ method - Safe testing with both sides grounded - Safe testing with both sides grounded - Safe testing with both sides grounded			Megger.	breakers with 1 break/phase
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GA-00886 Cable adapter • EGIL200 digital to TM17/1800 transducers • EGIL200 digital to TM17/1800 transducers • neutriCON male to DSUB15 female, 0.3 m (1 ft) GA-00873 XB-30017 Linear analog transducer TLH-225 • 225 mm (8.8") travel • Fits with transducer mounting kit XB-51020 • DCM200 DualGround™ timing • DualGround™ method • Fast cables, 11 m (35 ft) • Requires software license (CM-8002X • Safe testing with both sides grounded				• For analysis of first trip behaviour
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female, 0.3 m (1 ft) input XB-30017 Linear analog transducer TLH-225 . XLR3 male / BNC female, 0.3 m (1 ft) 225 mm (8.8") travel . 225 mm (8.8") travel Fits with transducer mounting kit XB-51020 XA-11620 CM-09290/ CM-09292 DCM200 DualGround™ timing DCM200 DualGround™ timing . DCM200 DualGround™ timing DCM200 DualGround™ timing . DCM200 3-channels (CM-09290) DCM200 G-channels (CM-09292) . DCM200 6-channels (CM-09292) . DCM200 G-channels (CM-09292) . DCM200 6-channels (CM-09292) . Test cables, 11 m (35 ft) . Requires software license CM-8002X . Safe testing with both sides grounded . Safe testing with both sides DualGround™ method . Safe testing with both sides			GA-00873	
XB-30017 Linear analog transducer TLH-225 0.3 m (1 ft) ✓ 225 mm (8.8") travel - 225 mm (8.8") travel With BNC connector Fits with transducer mounting kit XB-51020 - XA-11620 - With BNC connector CM-09290/ CM-09292 DCM200 DualGround™ timing - Cable length 2 m (6.6 ft) DCM200 J-channels (CM-09290) - DCM200 3-channels (CM-09290) GD-31070 • DCM200 6-channels (CM-09292) - DCM200 6-channels (CM-09292) - Test cables, 11 m (35 ft) • Requires software license CM-8002X - Requires software license CM-8002X - Safe testing with both sides grounded				-
 225 mm (8.8") travel Fits with transducer mounting kit XB-51020 CM-09290/ CM-09290/ DCM200 DualGround™ timing DCM200 3-channels (CM-09290) DCM200 3-channels (CM-09290) DCM200 6-channels (CM-09292) Test cables, 11 m (35 ft) Requires software license CM-8002X Safe testing with both sides grounded Safe testing with both sides grounded XA-11620 Current clamp With BNC connector Ranges: 30/300 A DC/AC, 10/1 mV / A Cable length 2 m (6.6 ft) Soft Carrying transport case Fits EGIL200 and one lead bag Dimensions: 66 x 46 x 46 cm (26" x 18" x 18") GD-31055 With 11 compartments, should strap and two handles Made from sturdy nylon fabric. Dimensions: 74 x 27 x 42 cm (2 x 11" x 17") 	XB-30017			
 Fits with transducer mounting kit XB-51020 Fits with transducer mounting kit XB-51020 CM-09290/ CM-09292 DCM200 DualGround™ timing DCM200 Jackannels (CM-09290) DCM200 3-channels (CM-09290) DCM200 6-channels (CM-09292) Test cables, 11 m (35 ft) Requires software license CM-8002X Safe testing with both sides grounded Made from sturdy nylon fabric. Dimensions: 74 x 27 x 42 cm (2 x 11" x 17") 			XA-11620	Current clamp
XB-51020 XB-51020 CM-09290/ CM-09292 DCM200 DualGround™ timing • DCM200 J-channels (CM-09290) • DCM200 3-channels (CM-09290) • DCM200 6-channels (CM-09292) • DCM200 6-channels (CM-09292) • DCM200 6-channels (CM-09292) • Test cables, 11 m (35 ft) • Requires software license CM-8002X • Safe testing with both sides grounded DualGround™ method				 With BNC connector
CM-09290/ CM-09292DCM200 DualGround™ timingGD-31070Soft Carrying transport case• DCM200 3-channels (CM-09290)• DCM200 6-channels (CM-09292)• DCM200				-
 CM-09292 DCM200 3-channels (CM-09290) DCM200 6-channels (CM-09292) Test cables, 11 m (35 ft) Requires software license CM-8002X Safe testing with both sides grounded Safe testing with both sides Safe testing with both sides Safe testing with both sides Made from sturdy nylon fabric. Dimensions: 74 x 27 x 42 cm (2 x 11" x 17") 				Cable length 2 m (6.6 ft)
 DCM200 3-channels (CM-09290) DCM200 6-channels (CM-09292) Test cables, 11 m (35 ft) Requires software license CM-8002X Safe testing with both sides grounded Safe testing with both sides Safe testing with both sides Safe testing with both sides Made from sturdy nylon fabric. Dimensions: 74 x 27 x 42 cm (2 x 11" x 17") 		DCM200 DualGround™ timing	GD-31070	Soft Carrying transport case
(CM-09290)DCM200 6-channels (CM-09292)Image: CM-09292)Image: CM-09292)Image: CM-09292)• Test cables, 11 m (35 ft)• Requires software license CM-8002X• Safe testing with both sides grounded• Safe testing with both sides grounded• With 11 compartments, should strap and two handles• DualGround™ method• Safe testing with both sides grounded• Safe testing with both sides grounded• Dimensions: 74 x 27 x 42 cm (2 x 11" x 17")	CM-09292			 Fits EGIL200 and one lead bag
(CM-09292) • Test cables, 11 m (35 ft) • Requires software license CM-8002X • Safe testing with both sides grounded • Safe testing with both sides grounded	and a series	(CM-09290)	Megger	
 Test cables, 11 m (35 ft) Requires software license CM-8002X Safe testing with both sides grounded Safe testing with both sides discussion Dimensions: 74 x 27 x 42 cm (2 x 11" x 17") 	18 6			
 Requires software license CM-8002X Safe testing with both sides grounded With 11 compartments, should strap and two handles Made from sturdy nylon fabric. Dimensions: 74 x 27 x 42 cm (2 x 11" x 17") 		Test cables, 11 m (35 ft)	GD-31055	
DualGround™ method Safe testing with both sides grounded ■ Made from sturdy nylon fabric. ■ Dimensions: 74 x 27 x 42 cm (2 x 11" x 17")		 Requires software license 		 With 11 compartments, shoulder strap and two handles
grounded • Dimensions: 74 x 27 x 42 cm (2 x 11" x 17")	DualGround™ method		TCAT	 Made from sturdy nylon fabric.
Note: No cables included				 Dimensions: 74 x 27 x 42 cm (29 x 11" x 17")
			- The	Note: No cables included



RECOMMENDED CONFIGURATIONS						
Circuit breaker type	Medium voltage	High voltage, 1 break/phase	High voltage, 2 break/phase	High voltage, 4 break/phase	High voltage, 4 break/phase	
Product name	EGIL211	EGIL213	EGIL223	EGIL241	EGIL243	
Application	Configured for basic tests of medium voltage circuit breakers. Compatible with the option VDS timing.	Tests gang and independent pole operated medium and high voltage circuit breakers of live and dead tank type. Compatible with the options VDS timing and three-phase DRM.	Base model which per- forms all standard tests of modern high voltage circuit breakers	Standard tests for circuit breakers with more than two breaks per phase, including integrated thermal printer.	Max configuration for circuit breakers with more than two breaks per phase, including integrated thermal printer.	
Break per phase	1	1	2	4	4	
Analog input	1	3	3	1	3	
Printer option	\checkmark			\checkmark	✓	
Part number	CM-21191	CM-21380	СМ-22390	CM-24191	CM-24391	

Note! Only Circuit breaker standard software package is included in these configurations. Additional software packages or features need to be ordered separately, see section "Software" below.

CUSTOM CONFIGURATIONS

EGIL200 can be ordered either in preconfigured, standard configurations including main unit and accessories or in fully customizable configurations.

EGIL200 naming and part number structure

	EGIL	2		
	Part number: CM	2		
1 = 1 break per phase 2 = 2 breaks per phase				 0 = No printer 1 = Printer
4 = 4 breaks per phase				 0 = No accessories
Number of analog channels 1 or 3				8 = Alternate lead kit, see ordering information 9 = Standard lead kit, see ordering information



		EGIL200	SOFTWA	RE PACKAG	GES AND F	EATURES		
Select your own EGIL Soft- ware. Standard software package (CM-8010X) included in all EGIL200 versions.		Software packages		Single feature add-ons				
		Standard	Plus	Online	DualGround	SDRM	Under-voltage release coil	
Types				1		1	1	
Timing	Conven- tional	\checkmark	\checkmark					
	Dual- Ground™		\checkmark		\checkmark			
	VDS		\checkmark	\checkmark				
Contact resist-	Manual	\checkmark	\checkmark					
ance	SDRM		\checkmark			\checkmark		
Motor current and voltage		\checkmark	\checkmark					
Minimum pick- up voltage		\checkmark	\checkmark					
Dynamic resist- ance			\checkmark			\checkmark		
First trip			\checkmark	\checkmark				
Undervoltage release coil			\checkmark				\checkmark	
Measurements								
Motion	Analog	\checkmark	\checkmark					
	Digital	\checkmark	\checkmark					
	Absolute	\checkmark	\checkmark					
	Relative	\checkmark	\checkmark					
Auxiliary con-	Timing	\checkmark	\checkmark					
tacts	External trig	\checkmark	\checkmark					
Coil currents		\checkmark	\checkmark					
Other functions								
Files and reporting	PDF export	\checkmark	\checkmark					
	XML export		\checkmark					
	Backup/ restore breaker file	\checkmark	\checkmark					
	CABA Win compatible ¹		\checkmark					
	Templates	\checkmark	\checkmark					
	Printing				d if printer optio	1		
Part number		CM-8010X	CM-8002X	CM-8006X	CM-8002X	CM-8003X	CM-8005X	

1 See the User Guide for details

Circuit breaker testing accessories

Megger carries an uniquely complete assortment of various accessories, leads, transducers and mounting kits.

For a complete list of accessories, see the circuit breaker accessory catalog. Use QR code to download



ORDERING INFORMATION	l
Item	Part no
EGIL211	
1 brk/ph, 1 analog ch, no accessories	CM-21100
1 brk/ph, 1 analog ch, printer, no accessories	CM-21101
1 brk/ph, 1 analog ch, high voltage lead kit	CM-21180
1 brk/ph, 1 analog ch, printer, high voltage lead kit	CM-21181
1 brk/ph, 1 analog ch, medium voltage lead kit	CM-21190
1 brk/ph, 1 analog ch, printer, medium voltage lead	
kit	CM-21191
EGIL213	
1 brk/ph, 3 analog ch, no accessories	CM-21300
1 brk/ph, 3 analog ch, printer, no accessories	CM-21301
1 brk/ph, 3 analog ch, high voltage lead kit	CM-21380
1 brk/ph, 3 analog ch, printer, high voltage lead kit	CM-21381
1 brk/ph, 3 analog ch, medium voltage lead kit	CM-21390
1 brk/ph, 3 analog ch, printer, medium voltage lead kit	CM-21391

ORDERING INFORMATION	
Item	Part no
EGIL221	
2 brk/ph, 1 analog ch, no accessories	CM-22100
2 brk/ph, 1 analog ch, printer, no accessories	CM-22101
2 brk/ph, 1 analog ch, high voltage lead kit	CM-22190
2 brk/ph, 1 analog ch, printer, high voltage lead kit	CM-22191
EGIL223	CM-22300
2 brk/ph, 3 analog ch, no accessories 2 brk/ph, 3 analog ch, printer, no accessories	CM-22300
2 brk/ph, 3 analog ch, high voltage lead kit	CM-22301
2 brk/ph, 3 analog ch, printer, high voltage lead kit	CM-22390
	CIVI-22331
EGIL241	
4 brk/ph, 1 analog ch, no accessories	CM-24100
4 brk/ph, 1 analog ch, printer, no accessories	CM-24101
4 brk/ph, 1 analog ch, high voltage lead kit	CM-24190
4 brk/ph, 1 analog ch, printer, high voltage lead kit	CM-24191
EGIL243	
4 brk/ph, 3 analog ch, no accessories	CM-24300
4 brk/ph, 3 analog ch, printer, no accessories	CM-24301
4 brk/ph, 3 analog ch, high voltage lead kit	CM-24390
4 brk/ph, 3 analog ch, printer, high voltage lead kit	CM-24391
Software package	
Standard (included)	CM-8010X
Plus (includes all below)	CM-8020X
Single feature add-ons Online	
Includes VDS and First trip	
First trip test requires First trip kit, optional accessory	
 HW requirement for VDS and CT-timing is EGIL21x HW requirement for First trip coil gurget analysis on 	
 HW requirement for First trip coil current analysis on three coils simultaneously is EGIL2x3 	
	CM-8006X
DualGround™	
 Requires DCM200, optional accessory 	
 Fits all EGIL200 models 	
	CM-8002X
SDRM	
 Requires SDRM201, optional accessory 	
 HW requirement for SRM/DRM on three contacts simultaneously is EGIL213. 	
 Minimum HW requirement for SRM/DRM on one 	
contact at a time is EGIL211, EGIL223 or EGIL243	
	CM-8003X
Undervoltage release	CM-8005X
	2111 00000

Postal address

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