

TOS1 Transformer Ohmmeter Standard



- High accuracy $\pm 0.1\%$ ohmmeter standard
- Rugged design for field use
- Designed to be used with large test clips or banana jack inputs
- Four terminal Kelvin – no lead compensation
- Universal standard for use with all ohmmeters

DESCRIPTION

The TOS1 is a unit designed to be used with ohmmeters as a high accuracy reference resistance standard. This unique standard provides resistance measurements across a wide range for use when calibrating ohmmeters. The standard is designed for use as a laboratory calibration standard, or as a portable check standard for field resistance verification of any ohmmeter.

APPLICATION

The TOS1 is primarily designed to be used in calibration facilities where accurate resistance values are required.

The TOS1 can be used with any single phase or three phase ohmmeter. When testing three phase ohmmeters with the TOS1, use the instrument's single phase excitation method.

SPECIFICATIONS

Input Power	90-250 V AC, 47-63 Hz, 250 VA MAX
Dimensions	216 H x 546 W x 330 D mm
Weight	26.5 lbs
Storage Temperature	-10°C to 50°C
Operating Temperature	10°C to 30°C
Safety	IEC 61010
Vibe/Drop/Shock	MIL-STD-810G
Max Excitation Voltage	100 V DC
Max Excitation Current	10 A DC

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Resistance	Max Excitation Current	Resistance	Max Excitation Current
2000.00 Ω	0.01 A (10mA)	2.00 Ω	10.00 A
200.00 Ω	0.10 A (100mA)	0.20 Ω (200 m Ω)	10.00 A
20.00 Ω	1.00 A	0.05 Ω (50 m Ω)	10.00 A

ORDERING INFORMATION

Item (Qty)	Cat. No.	Included Accessories	
TOS1	TOS1	AC Power Adapter Kit	2009-874
		Ground Cable	2001-GH14-15

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