

Test Lead

■ TL01-TOS

[cable length: 1.5 m/max. operating voltage: 5 kV]



■ TL02-TOS

[cable length: 3 m/max. operating voltage: 5 kV]



■ TL03-TOS

[cable length: 1.5 m/max. operating voltage: 10 kV]



■ TL04-TOS

[cable length: 1.5 m/max. operating voltage: 5 kV
(for TOS1200, RL01-TOS)]



■ TL05-TOS

[cable length: 1.5 m/max. operating voltage: 5 kV
(for 149-10A, RL01-TOS)]



■ TL06-TOS

[cable length: 0.5 m/max. operating voltage: 5 kV
(for parallel connection of TOS9220/9221)]



■ TL07-TOS

[cable length: 1.5 m/max. operating voltage: 5 kV
(for TOS9220/9221)]



■ TL08-TOS

[cable length: 1.5 m/max. operating voltage: 1 kV
(for TOS7200)]



■ TL11-TOS

[cable length: 1.5 m/max. operating current: 30 A
(for TOS6200)]



■ TL12-TOS

[cable length: 1.5 m/max. operating current: 60 A
(for TOS6210)]



■ TL21-TOS

(for TOS3200)



■ HTL-2.5DH

[cable length: 1.5 m/max. operating voltage: 10 kV
(for 149-10A)]



Remote Control Box

■ RC01-TOS

[one-hand operation/dimensions: 200W × 70H × 39D mm]
Accessory cable length: 1.5 m

Note:The optional Adaptor DD-5P/6P is required for the connection with TOS7200.



■ RC02-TOS

[both-hands operation/dimensions: 330W × 70H × 39D mm]
Accessory cable length: 1.5 m

Note:The optional Adaptor DD-5P/6P is required for the connection with TOS7200.



DIN Cable

■ DD-3 5P

[cable length: 3 m/DIN plug to DIN plug]



■ DD-5P/6P

[Adaptor/DIN to Mini DIN]



Test Probe

■ HP01A-TOS

[cable length: 1.8 m/max. operating voltage: 4 kV
AC(RMS), 5kV DC]

■ HP02A-TOS

[cable length: 3.5 m/max. operating voltage: 4 kV
AC(RMS), 5kV DC]

* This can not be used with TOS7200.



■ HP11-TOS

[cable length: 1.8m/max.operating voltage:1kV DC/
max.operating current:100mA (for TOS7200)]



■ HP21-TOS

[cable length:1.8m/max.operating voltage:250Vrms/
max.operating current:100mA (for TOS3200)]



Option

■LP01-TOS

[cable length: 2 m/max. operating current: 30 A(for TOS6200)]



■LP02-TOS

[cable length: 2 m/max. operating current: 60 A(for TOS6210)]



■FP01-TOS

(flat probe for TOS3200)



Buzzer Unit

■BZ01-TOS (for 100V AC)

* This can not be used with TOS6200, TOS9200/9201, TOS7200



Warning Light Unit

■PL01-TOS (for 100V AC)

* This can not be used with TOS6200, TOS9200/9201, TOS7200



■PL02-TOS (for 24V DC)

* for TOS9200/9201



Multi Outlet

■OT01-TOS

(multi outlet for TOS3200)



Rack Mount Bracket

Product Name	JIS Standard	EIA Standard
	Bracket Model No	Bracket Model No.
TOS9201	KRB150-TOS	KRB3-TOS
TOS9200	KRB150-TOS	KRB3-TOS
TOS9220	KRB100-TOS	KRB2-TOS
TOS9221	KRB100-TOS	KRB2-TOS
TOS8870A	KRB150-TOS	KRB3-TOS
TOS6200	KRB100-TOS	KRB2-TOS
TOS6210	KRB100-TOS	KRB2-TOS
TOS3200	KRB150-TOS	KRB3-TOS

High-Voltage Digital Voltmeter

■ 149-10A



- Measurement of high voltages (AC/DC) of up to 10 kV maximum.
- Large 41/2 digit LED display
- High measuring accuracy and input resistance
- Light weight of only 3.2 kg
- Compact design
- Excellent ease of maintenance

Specifications	
Operating System	Double integration system (sampling cycle: 3 times/sec)
DC Voltage	Measuring range: 0.500kV to 10,000kV Accuracy: $\pm(0.5\%$ of reading + 0.03% of range) Input resistance: 1000 M Ω \pm 2%
AC Voltage	Measuring range: 0.500kV to 10,000kV Accuracy: $\pm(1\%$ of reading + 0.05% of range) Frequency characteristics: 50/60 Hz (sine wave rms value display of mean value response) Input resistance: 1000 M Ω \pm 2%
Power Requirements	100V \pm 10%, approx. 10 VA
Dimensions (MAX)	134W \times 164H \times 270D mm (140W \times 189H \times 350D mm)
Weight	approx. 3 kg
Accessories	TL05-TOS high-voltage test lead: 1 HTL-2.5DH high-voltage coaxial cable: 1

Hipot Tester Current Calibrator

■ TOS1200



- Calibration of Leakage Current Detection Sensitivity
- Direct Reading of Error from Error Display Scale
- Ammeter Ranges
- Eliminates Need for Power Supply
- AC/DC Selection Switch

Specifications			
Measuring Function	Measurement of current values and error(%) for AC (50/60 Hz) and DC at a test voltage of 1000 V		
Measuring Ranges	8 ranges consisting of 0.5/1/2/5/10/20/50/100 mA along with values equal to 0.8 times the values of those ranges (for 1, 2, 4 and 8 steps)		
Ammeter Scale	Main scale: Direct-reading error display scale over a range of $\pm 10\%$ of the above full scale values Auxiliary scale: Ratio scale of 0 to 1.1 times the above full scale values (equivalent to 0% display of main scale when the ratio is equal to 1)		
Ammeter Accuracy	Main scale: $\pm 1\%$ of reading Auxiliary scale: $\pm 3\%$ of full scale value		
Ammeter Indication	DC/AC (sine wave rms value calibration of mean value response)		
Load Resistance			
Range[mA]	Resistance[k Ω]	Range[mA]	Resistance[k Ω]
0.5	2000	10	100
1	1000	20	50
2	500	50	20
5	200	100	10
Allowed Input Time	0.5/1/2/5 mA ranges: Continuous 10/20/50/100 mA ranges: 60 sec. Max. 1/3 of duty cycle		
Dimensions (MAX)	134W \times 164H \times 270D mm (140W \times 189H \times 320D mm)		
Weight	approx. 3.5 kg		
Accessories	TL04-TOS high-voltage test lead: 1		

UL Resistance Load

■ RL01-TOS



This device is described in section 125, paragraph 2-1B1 of UL1492. The RL01-TOS is a variable load resistor for checking the output voltage of hipot testers used in dielectric strength testing on production lines. (Complies with UL regulations including UL1270, UL1409 and UL1410.)

Specifications	
Resistors:	120, 159, 210, 279, 369, 489, 648, 858, 1,137, 1,500, 1,989 and 2,148 kW
Resistance Accuracy	+1%,-0% of nominal value when set to 120 kW, $\pm 1\%$ of nominal value when set to other values
Maximum Operating Voltage	1300 V (continuous rating)
Maximum Overload Voltage	1400 V for 5 seconds (application may not be repeated within 1 minute)
Dimensions (MAX)	200W \times 100H \times 260D mm (210W \times 120H \times 295D mm)
Weight	approx. 2.6 kg
Accessories	TL04-TOS high-voltage test lead: 2 TL05-TOS high-voltage test lead: 1

Calibration Resistor for Insulation Resistance Tester

■ 929-1M
■ 929-10M
■ 929-100M



The 929 Series Standard Resistors are for calibration of Insulation Testers.

Specifications			
Model	929-1M	929-10M	929-100M
Nominal resistance	1M Ω	10M Ω	100M Ω
Accuracy of resistance	1% at 25°C \pm 10°C		
Temperature coefficient	100 ppm/°C or better		
Voltage coefficient	1 ppm/V or better		
Working voltage rating	1.2 kV		
Dimensions (MAX)	64W \times 24H \times 30D mm		



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