

DIGITAL AND BARGRAPH DISPLAY INSULATION TESTER

SPECIFICATIONS

- Function : Insulation resistance, AC voltage
- Display : 3½ digit LCD with bargraph display, max. reading of 3200 count and annunciators
- Response time : Less than 5 sec. (Auto ranging)
- Data hold indication : "DH" mark on LCD readout
- Infinity indication : "OL(∞)" mark on LCD readout (Over 3200 count)
- Safety standard : Meets the requirements for double insulation to IEC 61010-1 (2001), IEC 61010-2-032 (2002) installation Category II , 600V phase to earth.
- E.M.C. standard : The instrument meets EN 61326 (2004)
- Constructional standard : In accordance with IEC 1557-2 or JIS C1302 (1994)
- Insulation resistance : DC 500V-50MΩ or more (MIS-2D)
DC 1000V-50MΩ or more (MIS-3D, MIS-4D)
- Withstanding voltage : AC 3700V, 1 minute (Between input terminal and outer case)
- Overload protection : 120% of the highest nominal output voltage (10sec.)
- Low battery indication : "B" mark on LCD readout
- Temperature characteristics (0~40°C) : ±5%rdg of specified accuracy
- Operating temperature : 0°C to 40°C, 80% RH max. (Non-condensing)
- Storage temperature : -10°C to 60°C, 80% RH max. (Non-condensing)
- Power supply : 1.5V("AA" size, LR6)×6
- Size : 170 (W)×105(D)×54(H)mm
- Weight : Approx. 365g (Excluding batteries)
- Accessories : Line test lead1
Earth test lead1
Batteries6
Test lead case1
Belt1
Instruction manual1
- Optional accessory : Remote switch test lead

Measuring Ranges and Technical Data

Insulation resistance measurement

Model	MIS-2D	MIS-3D	MIS-4D
Rated voltage & effective measuring range	125V-20MΩ 250V-50MΩ 500V-100MΩ	250V- 50MΩ 500V- 100MΩ 1000V-2000MΩ	125V-20MΩ 250V-50MΩ 1000V-2000MΩ
Minimum measurable resistance at rated voltage	0.125MΩ 0.25MΩ 0.5MΩ	0.25MΩ 0.5MΩ 1MΩ	0.125MΩ 0.25MΩ 1MΩ
Rated current	1mA+20%-0%		
Maximum no-load voltage	Rated voltage+30%-0%		
Short circuit current	<2mA		

Accuracy

Rated voltage	DC 125V	DC 250V	DC 500V	DC 1000V
Measuring range	0~20MΩ~0L(∞)	0~50MΩ~0L(∞)	0~100MΩ~0L(∞)	0~2000MΩ~0L(∞)
First effective range	0.02MΩ~10MΩ <±5%rdg	0.05MΩ~20MΩ <±5%rdg	0.1MΩ~50MΩ <±5%rdg	2MΩ~1000MΩ ±5%rdg
Second effective range	0.01MΩ~0.02MΩ 10MΩ~100MΩ <±10%rdg	0.02MΩ~0.05MΩ 20MΩ~100MΩ <±10%rdg	0.05MΩ~0.1MΩ 50MΩ~100MΩ <±10%rdg	1MΩ~2MΩ 1000MΩ~2000MΩ <±10%rdg
Other range	100MΩ~0L(∞) Not specified			2000MΩ~0L(∞) Not specifind

AC voltage measurement (50/60Hz)

Range	Accuracy	Input impedance	Maximum input voltage
AC 600V	±2.5% of full count	Approx.20MΩ	AC 600V rms