

# TeraOhm 10kV MI 3200



## Professional insulation tester



### Main Features:

- Insulation Resistance measurement up to 10 T $\Omega$ ,
- Auto-calibration of measuring system,
- Operates from main or rechargeable supply,
- Automatic discharge of capacitive loads,
- Guard terminal to eliminate surface leakage current,
- Digital and bar graph display shows results with date and time,
- User friendly PC software with RS 232 or USB isolated communication port,
- High quality accessories, **12 kV shielded test lead, 10 kV alligator**
- High noise immunity
- Powerfull diagnostic tools (PI, DAR, DD, etc)

### Technical Specification

Measuring range:	0.01M $\Omega$ $\div$ 10T $\Omega$	(5% of r. + 3 dig.)
Test voltage ranges (DC):	500V $\div$ 10000V in steps by 25V	(3% of r. + 3V)
Bar Graph Trend:	0 $\div$ 1T $\Omega$	
Withstanding test voltage:	500V $\div$ 10000V	(3% of r. + 40V)
Leakage current range:	0 $\div$ 5 mA	(3% of r. + 3 dig.)
Voltage AC/DC range:	0 $\div$ 600V	(3% of r. + 3V)
Capacitance range:	0 $\div$ 50 $\mu$ F	(5% of r. + 2 dig.)
Polarization index (PI) range:	0 $\div$ 99.9	(5% of r. + 2 dig.)
Dielectric discharge test range:	0 $\div$ 99.9	(5% of r. + 2 dig.)
Dielectric absorption ratio range:	0 $\div$ 99.9	(5% of r. + 2 dig.)

### General

Battery power supply:	7.2V DC (6 x 1.2V NIMH, IEC LR20, D size)
Mains power supply:	90 - 260V AC, 45-65Hz
Protection classification:	Double insulation
Over-voltage category:	CAT IV 600V
Pollution degree:	2
Degree of protection:	IP 44
Dimensions:	34 X 26 X 16 cm
Weight:	(with batteries, without accessories) 5.5 kg
Visual and sound warnings:	Yes
Display:	LCD dot matrix with backlight (160 X 116)
Memory:	Non-volatile internal memory, 1000 measurements with time and date
Working temperature range:	0 $\div$ 40 °C
Nominal temperature range:	10 $\div$ 30 °C
Storage temperature range:	-20 $\div$ 70 °C
Maximum humidity:	95% RH (0 $\div$ 40 °C) non-condensing
Nominal humidity range:	40 $\div$ 60% RH

### Suitable for:

- Testing insulation resistance of rotating machinery, and cables
- Production line periodic testing and maintenance
- Troubleshooting & analysis of all kind of insulation problems.
- Best suited for industrial environment

### Standards applied:

#### Instrument:

EN61557-2  
EN61326  
EN61010-1  
IEEE43:2000

#### Applications:

EN60345  
EN61010



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