

# MI 3202 GigaOhm 5 kV



## 5 kV Insulation and Voltage tester



- **Quick adjustment** - Five pre-set test voltages (250V, 500V, 1000V, 2500V and 5000V)
- **Fast charging** - 5mA current source for quick charging of capacitive loads
- **High safety level** - CAT IV / 600V for industrial applications
- **Large display** - LCD display with backlit for added comfort of use
- **High quality accessories** - Shielded test leads included in a standard set

GigaOhm 5kV is a high quality insulation and voltage tester with excellent price-performance ratio. Five test voltages up to 5kV and 1TΩ resistance measuring range cover most of the industrial and power distribution applications. User friendly design is assured with a large LCD display. A rugged carrying case provides mechanical robustness needed at the use in harsh environments.

### TYPICAL APPLICATIONS:

- Rotating machines
- Transformers
- Cables
- High voltage generators
- Surge arrestors
- Measuring transducers

### STANDARDS:

Instruments operation:  
IEC/EN61557-2

Electromagnetic compatibility:  
EN 61326 class B

Safety:  
EN 61010-1 (instrument)  
EN 61010-031(accessories)

5 kV

CAT IV  
600 V

# Technical Specification

<b>INSULATION</b>	
Test Voltage Range	250 - 5000 V
Measuring range	1 TΩ
Voltage steps	250 V, 500 V, 1 kV, 2.5 kV, 5 kV
Automatic discharge after test	yes
Short circuit / charge current	5 mA
Guard terminal	yes
Auto adjustment function	yes
Auto ranging	yes
Shielded test leads included	yes
<b>VOLTAGE</b>	
Voltage test AC/DC	up to 600 V AC and DC
<b>ACCURACY</b>	
Insulation	5 % +3d (to 1 TΩ), 10 % +3d (to 1 TΩ)
Voltage	3 % +4 V
<b>DISPLAY</b>	
Bar graph	yes
Backlit	yes
Graphic display	LCD
<b>SAFETY AND PROTECTION</b>	
IP	44
Safety category	CAT IV, 600 V
<b>POWER SUPPLY</b>	
Rechargeable batteries	Included
Built-in battery charger	yes
Low battery indication	yes
Battery life	4 h at 5 kV
<b>DIMENSIONS</b>	
Weight	3 kg
Dimensions	310 x 130 x 250 mm



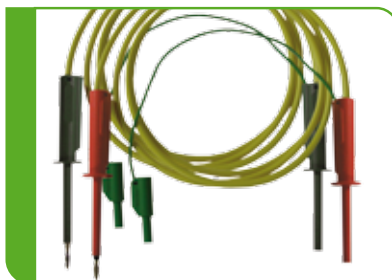
Handle and shoulder strap make the unit easy to carry



Large LCD screen with backlit



Straight forward and fast test adjustment



Shielded test leads 10 kV included in standard set

## ORDERING INFORMATION

MI 3202

Standard set



Instrument GigaOhm 5 kV  
 Carrying bag  
 Mains cable  
 10 kV shielded test lead set, 2 m (black, red)  
 10 kV alligator set (black, red)  
 Test lead with alligator clip, 2 m (green)  
 6 x 1.2 V NiMH batteries  
 Handbook "Guide to modern insulation testing" on CD  
 Instruction manual  
 Product verification data

## OPTIONAL ACCESSORIES

Photo	Order No.	Acc. decription
	S 2029	10 kV shielded test lead set, 8 m (black, red)
	S 2030	10 kV shielded test lead set, 15 m (black, red)
	S 2036	10 kV alligator set (black, red)



Measuring and Regulation Equipment Manufacturer

METREL d.d.  
 Ljubljanska 77  
 SI-1354 Horjul  
 Tel: + 386 (0)1 75 58 200  
 Fax: + 386 (0)1 75 49 226  
 E-mail: [metrel@metrel.si](mailto:metrel@metrel.si)  
<http://www.metrel.si>

Note! Photographs in this catalogue may slightly differ from the instruments at the time of delivery. Subject to technical change without notice.