

GIGALAB



Digital multivoltage mega-ohmmeter

Measuring range:

10V from 1KΩ to 20GΩ

100V from 100KΩ to 200GΩ

500V from 1MΩ to 1TΩ

Accuracy

10V ±5% ±3% per GΩ

100V ±5% ±0,3% per GΩ

500V ±5% ±0,06% per GΩ

Fully settable acoustic alarm

Connectable to shielded probe

Description

GIGALAB is a digital mega-ohmmeter that can measure the point to point resistance at 10, 100, 500V. The test voltage is selectable by the user and is always displayed on the right of the display with an horizontal bar.

10V

100V

500V

2.223KΩ

43.5MΩ

1236Ω

Measuring range is:

10V from 1KΩ to 20GΩ

100V from 100KΩ to 200GΩ

500V from 1MΩ to 1TΩ

Accuracy is normally 5% and the value of the measure is always displayed with 3 significant figures. It's possible to program the display reading in natural or exponential format.

Natural

Exponential

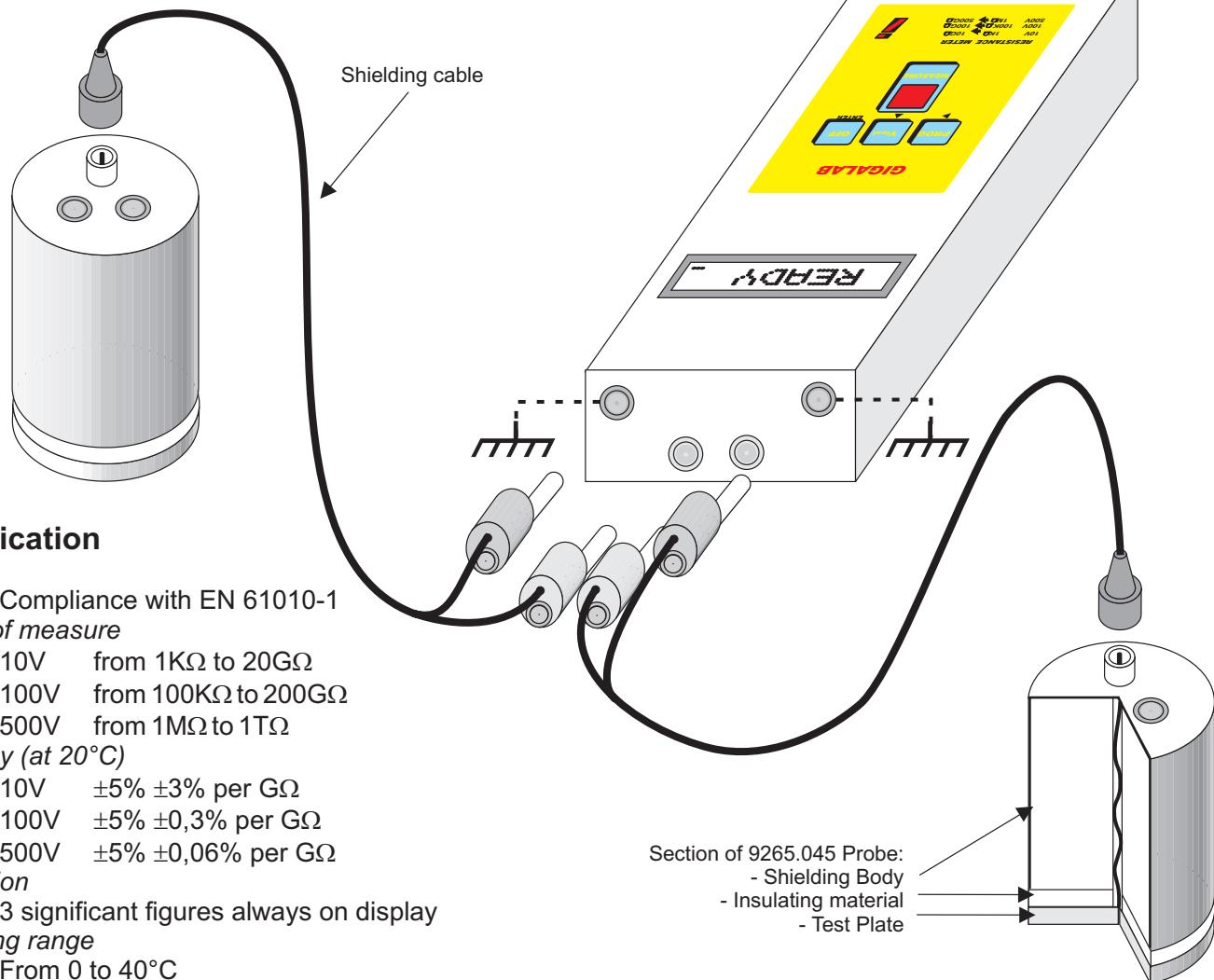
1.00KΩ

1.00E3

An acoustic alarm can be programmed to be activate when:

- resistance of measure is higher than the selected value
- resistance of measure is lower than the selected value
- resistance of measure is between two selected values
- resistance of measure is not between two selected values

GIGALAB can be connected to shielded probes to eliminates the usual noise providing ease of operation even at very high resistance values.



Specification

Safety

Compliance with EN 61010-1

Range of measure

10V	from 1KΩ to 20GΩ
100V	from 100KΩ to 200GΩ
500V	from 1MΩ to 1TΩ

Accuracy (at 20°C)

10V	$\pm 5\% \pm 3\%$ per GΩ
100V	$\pm 5\% \pm 0,3\%$ per GΩ
500V	$\pm 5\% \pm 0,06\%$ per GΩ

Resolution

3 significant figures always on display

Operating range

From 0 to 40°C

Operating humidity

Max 85%

Battery

6 x 1,5V IEC LR6 type only

Battery life

About 2000 measuring operations at 500V of 5 seconds each

GIGALAB write "LOWBAT" on the display when the voltage of the 6 batteries is lower than 7.4V

When the instrument is in "LOW BATTERY" it's only possible to measure at 10V

Auto Shut-Off

After 4 minutes of no activity the instruments shut-off

Fusibile

250mA

Display

8 alphanumerical characters, 60 x 15mm with 10mm height characters

Dimensions

92 x 218 x 38mm (L x H x P)

Weight

450g

9265.043

GIGALAB Meter with 2 shielded cables, batteries and case

9265.044

GIGALAB complete kit including meter, 2 shielded probes, 2 shielded cables, batteries and case

9265.045

Shielded probe 63mm / 2,3Kg, with two 4mm socket and one BNC socket, Blue

9265.004B

Cylindrical probe, one 4mm socket, Black

9265.004R

Cylindrical probe, one 4mm socket, Red

9265.005

Concentric ring probe kit, one BNC socket, Black