

Megohmmeter RESISTOMAT®

Model 2408

Code:	2408 E
Manufacturer:	burster
Delivery:	ex stock
Warranty:	24 months

2408-E



- Resistance range $1 \times 10^3 \dots 100 \times 10^{12} \Omega$
- Current range $1 \times 10^{-13} \dots 1 \times 10^{-3} \text{ A}$
- Automatic range selection
- Test voltage selectable from 1 V ... 1000 V
- Limit indicator
- RS232 interface (IEEE488 optional)

Application

RESISTOMAT® model 2408 digital megohmmeter has been specially developed to measure extremely high resistance values with a high degree of accuracy. This instrument has a specification that makes it suitable for all common applications. The measurement voltages equal those given in the DIN test regulations (e.g. DIN 51953, DIN 53482, DIN 54345, DIN 57281 and DIN 57411) for measuring the electrical resistance value across films, floor coverings, test equipment, cables, moldable materials, rubber, plastics, insulating oils and the like. Fast serial measurements can be performed using the integral limit indicator. If the reading lies below an adjustable limit, the limit indicator trips and enables an isolated relay output. All functions can be PC-controlled via the built-in RS232 interface provided as standard.

The guard circuit in shield technology can be used to measure individual resistances in a delta connection. This means, for instance, it is possible to measure the insulation resistance between wire and shield on a 2-core cable with common shield without the result being distorted by the two guard resistances lying in parallel (see diagram overleaf). The meter can also be used to measure the leakage currents flowing through the test specimen; in "current measurement" mode, it measures currents from 0.1 pA to 1 mA.

Description

RESISTOMAT® model 2408 digital megohmmeter is a microprocessor-controlled instrument for measuring high resistances and small currents. Measurements can be made in the range 1 kΩ to 100 TΩ, with the user able to select a test voltage between 1 V and 1000 V. All instrument functions can be configured manually and via RS232 interface (standard) or IEEE488 interface (option).

On-screen information guides the user efficiently through the meter's range of application-oriented configuration options, clearly displayed on the backlit graphical display with adjustable contrast level. With its rugged case, this instrument is designed for both laboratory use and harsh industrial environments.

