

M1 and M2 Meters



POWR-GARD **M1** and **M2 Series** panel meters work in conjunction with the K-TEC technology ground fault relays to provide an accurate reading of leakage current or insulation resistance to ground. The meters connect to the POWR-GARD relays to provide full scale display output.

The M1-%meter is connected to the GFR product via terminals 24 and 25 or the RCD relay via terminals 9 and 10 to report the output signal proportional to the actual leakage current and is expressed as a percentage of the leakage current setting. The output is 0-100% relating directly to the selected current trip value. The meter provides a visual reading of the leakage current in the system for predictive maintenance.

The M2-MOHMMETER works with the GFR4000 via terminals 25 and 26 to report the insulation resistance of the connected motor windings and interconnecting cable. The metering output is 0-1mA FSD and relates to an insulation range of 0 to infinity.

Features and Benefits

- Allows external visual monitoring of systems
- Enables predictability of problem circuits
- Detects trouble sites prior to alarm or shutdown

Specifications

Class	1.5
Scope	0 – 1mA FSD
Insulation Voltage	2kV for one minute between Mechanism and casing
Connection	Two wires to relay terminals Observe polarity
Accuracy	1.5%
Standards	UL 94, EN 60051, IEC144 DIN 43780
Operating Temp	+10° C / +30° C
Limit Temperature	-25° C/ +40° C
Casing	Din 72
Dimensions	72 x 72 x 49.2 mm (L x W x D)
Panel cutout	68 x 68 mm
Weight	.4 lbs
Terminal Protection	IP 00
Casing Protection	IP 52

Part Numbers

M1-%METER	Percentage meter for Leakage Current For use with RCD300M2 Series and GFR4000 Series
M2-MOHMMETER	Insulation Resistance meter For use with GFR4000 Series