



Model 4102 MF

Insulation & Multifunction Tester



Specifications

Insulation Test

Test voltage (DC V):	250V / 500V / 1000V
Output voltage @ 1mA:	Rated test Voltage +10% Max
Measuring ranges:	0.2M~2G / 0.2M-4G / 0.2M-8GΩ
Accuracy:	0.2M~4GΩ : ±3%rdg 4GΩ~8GΩ : ±5%rdg
When voltage is constant, Current is limited at:	1.2mA
Short circuit current:	4mA Max.

Continuity Test

Measuring ranges:	0.01-1999Ω
Accuracy:	0.01-100Ω : ±1.0%rdg 100-300Ω : ±1.5%rdg 300-1999Ω : ±2.0%rdg
Short circuit current:	>220mA
Open circuit voltage:	5V dc
Resolution:	±2 counts

Voltmeter

AC voltage (Auto):	0-700V
DC voltage (Auto):	0-950V
Accuracy:	±1.5% rdg
Resolution:	±1V

Protections

Over load:	700V (between all terminals)
Over voltage:	Class III-700V towards ground
Fuse:	500mA 250V, (5 × 20mm), HBC, Fast Blow.

Features

- Microprocessor-controlled.
- Measures Insulation Resistance, voltage (AC-DC) measurements.
- Automatic hold facility.
- Continuity test with a short circuit current of minimum 200mA.
- MOV and Gas Arrester Testing.
- Energy conservation is feature.
- EnerSave™ limits the test duration to about 10 Seconds to save energy.
- No moving parts. All calibration are saved internally in a non volatile memory.
- Easy calibration at any facility around the world.
- Low cost maintenance, calibration, and ownership.
- Complies to all the latest regulations, including UK.

MOV Test & GAS Arrester Test

Test voltage:	5-1020Vdc
Voltage result accuracy:	±3% rdg
Voltage result resolution:	±2 counts

General

Display:	2 lines × 16 characters LCD
Auto-null threshold:	5Ω
Buzzer threshold:	3Ω
Fast test:	10 Sec
Long test:	60 Sec
With PI and DAR test function:	10 Min
Load battery test current:	About 300mA
Operating temperature:	0°C to 40°C not in full sun
Storage temperature:	-10°C to 50°C
Dimensions:	250(L) × 190(W) × 110(D)mm
Weight (battery included):	Approx 1460g.
Power source:	1.5V(AA) × 8
Accessories:	Instruction manual. Test leads. Shoulder belt. Batteries.