

Insulation meter 50V to 1000V Complete multimeter

Characteristics

- Insulation measurement at 50V, 100V, 250V, 500V, 1000V
- Insulation resistance : up to 22Gohms
- Voltage measurement up to 1000V TRMS AC and 1000V DC
- Current measurement AC and DC (400mA)
- Resistance measurement, continuity and diode test
- Frequency measurement
- Capacitance measurement
- Temperature measurement
- Compact housing with protective holster
- Backlit LCD display
- Functions: **Min, Max, AVG, Relatif and HOLD mode**
- Memory: 5 x 100 memories
- Delivered with active probe
- Safety : 600V CAT IV and 1000V CAT III

**Compliance
with the
standard
EN61557-1,
EN61557-2,
EN61557-4
and
EN61557-10**



Specifications

MW 9091

Insulation resistance		Protection	
Test Voltage	50V, 100V, 250V, 500V, 1000V	by a fuse	
Open circuit voltage	-0%, +20%	Frequency measurement	
Short circuit current	1mA (nominal)	Ranges	from 100Hz to 100kHz voltage and current
Ranges / Accuracy	2MΩ to 2GΩ / ±(1.5% + 5d), 22GΩ / ±(10% + 3d)	Basic accuracy	±(1.2% + 2d)
Discharge of circuits	Automatic discharge (typical 1s for C<1μF)	Sensitivity	from 15mVrms to 30Vrms. And from 15mAarms to 30mAarms
Protection	Test inhibited in presence of voltage > 30V AC or DC	Capacitance measurement	
Resistance measurement, continuity and diode test		Ranges	from 100nF to 40mF
Ranges / Accuracy	1000Ω to 40MΩ / ±(0.5% + 2d)	Basic accuracy	±(0.1% + 5d)
Continuity measurement	range 400Ω, ±(0.5% + 2d)	Protection	1000V AC or DC
Diode test	range 2V, ±(0.5% + 2d)	Temperature measurement	
Protection	1000V AC or DC	Ranges / Accuracy	from -200°C to +1000°C / ±(1% + 1°C)
DC Voltage measurement		Protection	1000V AC or DC
Ranges	from 100mV to 1000V DC	Functions	
Basic accuracy	±(0.08% + 2d)	Functions	MIN / MAX / AVG, relative and HOLD mode
Input impedance	10MΩ // 100pF max.	Memory	
Protection	1000V AC or DC	General specifications	
AC Voltage measurement		Power supply	4 batteries 1.5V type AA/ recommended Alkaline
Ranges/ Accuracy	from 100mV to 1000V DC	Display	LCD 10000 points, with automatic backlight
Basic accuracy (no filter)	±(0.9% + 3d)	Measurement rate	2 mes/s
Low pass filter	yes, (Fc=1kHz)	Automatic shutdown	after approximately 20 minutes
Input Impedance	10MΩ // 100pF max.	Battery life	typical: 600 insulation measurements at 1MΩ and 1000V
Bandwidth	50Hz to 5kHz	Security	600V CAT IV and 1000V CAT III
Conversion	TRMS type AC coupling, peak factor max from 3 to 330V and 2 to 500V	Measurements	According EN61557-1, -2, -4 and -10
Protection	1000V AC or DC	Operating temperature	0°C to 50°C
Current measurement AC and DC		Storage temperature	-20°C to +60°C
Ranges	100mA and 400mA / ±(0.2% + 2d) in DC and ±(1.5% + 2d) in AC	Dimensions	95 x 207 x 52 mm, with sheath
		Weight	630 g

Delivered with : batteries, rubber holster, manual, silicone cords, active test probe, carrying case.

FTMW9091 A00 - The specifications can be modified without notice.



For assistance and ordering



Sefram



32, rue Edouard Martel - BP55- 42009 - St Etienne - cedex 2
Tél. +33 (0) 4.77.59.01.01
Fax. +33 (0) 4.77.57.23.23
Web : www.sefram.fr - e-mail : sales@sefram.fr