

YF-509 Digital Insulation Tester

is designed and built for use in an environment of pollution degree 2 according to EN61010-1, CAT III.



ACCESSORIES

- User's manual
- Carrying case
- Ohm probe
- Battery x 8pcs

POWER SUPPLY

- Battery type: 1.5V NEDA 15F IEC R6 JIS UM-3 x 8pcs
- Battery life: 100 hours approx.


OPERATING CONDITION

- Operating temperature & humidity: 0°C~40°C at less than 80% RH.
- Storage temperature & humidity: -10°C~60°C below 70% RH.

DIMENSION

- Size: 160 x 100 x 52mm (L x W x H)
- Weight: About 480g (including battery)

DISPLAY

- 3 1/2 digits LCD display with maximum reading of 1999, plus decimal point, unit symbol indication.
- Polarity indication: Automatically polarity, “-” display for negative input.
- Overload indication: LCD will show “OL” at left side.
- Low battery indication: Replace battery as LCD displays “”.

FUNCTIONS

- Function Keys: Data hold, Max.
- Automatic zero adjustment
- Equipped with a continuity test
- Measures high insulation resistance (0.1MΩ~2000MΩ) with manual range of 200MΩ/250V, 200MΩ/500V and 2000MΩ/1000V.
- Measures DC voltage (0 V~1000V), AC Voltage (0V ~ 750V).

SAMPLING SPEED

- Sampling rate : 2.5 times/ second.


SEPCIFICATIONS

Accuracy: ± (. . . % reading + . . . digits) at 23°C ± 5°C, below 80% RH.

	Range	Resolution	Accuracy	Input impedance	Overload protection
ACV	ACV 750V	1V	± (0.8%+4)	10MΩ	DC100V AC750V rms

	Range	Resolution	Accuracy	Input impedance	Overload protection
DCV	DCV 1000V	1V	± (0.5%+1)	10MΩ	DC1000V AC750Vrms

	Range	Resolution	Accuracy	Tolerance
Insulation high-resistance	200M/250V	0.1M	± (3%+3)	0.4mA max
	200M/500V	0.1MΩ		0.9mA max
	2000M/1000V	1MΩ	± (3%+5)	1.7mA max

	Resolution	Sound indication	Open voltage	Overload protection
Continuity test	 0.1Ω	Less than 80Ω	3.3V max.	DC/AC 500V rms