

YF-510 Analog Insulation Tester

has been designed for use in an environment of pollution degree 2 according to IEC 1010-1 CAT III 600V.



DISPLAY

- Taut band movement for high accuracy
- Overload protection :
 - 1000V range: About 10 seconds for 1200 VDC or DC + AC Vp-p.
 - 500V range: About 10 seconds for 600 VDC or DC + AC Vp-p .
 - 250V range: About 10 seconds for 300 VDC or DC + AC Vp-p.
- Low resistance range: 0.5A/250V, 5Ø x 20mm.
- ~V range: AC 600V rms.

FUNCTIONS

- Automatic stabilized voltage circuit and zero adjustment
- Low power consumption to prolong battery life
- Battery check device for inner power inspection
- Power On light to check inner working state

SPECIFICATIONS

Isolation test	Nominal output voltage	250V	500V	1000V
	Measurement range	0~50MΩ	0~100MΩ	0~2000MΩ
	Middle scale value	1MΩ	2MΩ	50MΩ
	Output voltage for open circuit	Nominal output voltage ±10%		
	Output voltage for middle scale	More than 90% of nominal output voltage		
	1 st effective scale	0.05MΩ~20MΩ	0.1MΩ~ 50MΩ	2MΩ~1000M
	2 nd effective scale	20MΩ~50MΩ	50MΩ~100MΩ	1000MΩ~2000MΩ
Precision	1 st effective scale is within ±5% of indication value			
	2 nd effective scale is within ±10% of indication value.			
	Other ranges including∞and zero point are within ±1% of scale range.			
Low resistance test	Reading range	0~2KΩ		
	Middle scale	30Ω		
Precision	Within±3% of full scale length.			
Range of measuring AC voltage		AC voltage 0~600V		
AC Voltage Precision		Within±4% of full scale value.		

* Fuse specification: 0.5A/250V, 5Ø x 20mm, fast min. interrupt ratings 1500A .

ACCESSORIES

- User's manual
- Carrying case
- Test probe x 2 sets
- 1.5V battery x 8pcs
- Fuses

POWER SUPPLY

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

OPERATING CONDITIONS

- Operation temperature & humidity:
5°C~+40°C, the max. relative humidity is 80%.
- Storage temperature & humidity:
-10°C~+50°C, the max. relative humidity is 75%.

DIMENSION

- Size: 156 x 100 x 54mm (L x W x H)
- Weight: About 563g (including 8pcs of SUM-3 batteries)