

YF-520 Analog Insulation Tester

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



ACCESSORIES

- User's manual
- Carrying case
- Test probe x 2 sets
- 1.5V battery x 6pcs
- Fuses

POWER SUPPLY

- Battery type: 1.5V NEDA 15F IEC R6 JIS SUM-3 x 6pcs.
- 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 527g (including 6 pcs of SUM-3 batteries)

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	0~100MΩ	0~200MΩ	0~400MΩ
	Middle scale value	1MΩ	2MΩ	4MΩ
	Output voltage for open circuit	Max. nominal output voltage ±10%		
	Output voltage	At 0.25MΩ, the min. voltage is 250VDC	At 0.5MΩ, the min. voltage is 500VDC	At 1MΩ, the min. voltage is 1000VDC
	Output current for short circuit	About 1.3mA		
	Output current	At 0.25MΩ, the min. voltage is 1mA	At 0.5MΩ, the min. voltage is 1mA	At 1MΩ, the min. voltage is 1mA
Resolution		0.05MΩ~10MΩ is within ±5% of indication value	0.1MΩ~20MΩ is within ±5% of indication value	0.2MΩ~40MΩ is within ±5% of indication value
		Other ranges and higher are within ±1% of full scale		
Low impedance test	Measurement range	0~2Ω		0~20Ω
	Output voltage for open circuit	DC 4V~9V		
	Output current for Short circuit	Min. DC 200mA		
	Resolution	Within ±3% of full scale length		
Range of measuring AC voltage		AC 0~600V		
AC voltage precision		Within ±4% of full scale value.		

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