

Data sheet

IVT 20

Voltage Tester LCD

FEATURE:

- 2 pole test with 2,000 count digital display
- Auto Sensing of ACV, DCV, Ω , Continuity and Diode
- Integrated single pole test for phase detection
- Rotary field indication
- Dual display for ACV measuring with frequency
- AC/DC 750 Volts capability
- 1K Ohms Resistance range
- 1H Hz Frequency counter
- Continuity Beeper
- Ultra bright white LED torch
- Selectable probe tips 2/4 mm
- Self Test
- IP65-water-jet and dust-tight protection for outdoor use
- Compact design with convenient battery door
- CAT. IV 600V/CAT. III 750V safety standard

SPECIFICATION:(All at 23°C \pm 5°C, \leq 80% R.H.)

DC/AC Voltage

Range	Accuracy	LCD Resolution
12V~750V	DC: \pm (1.3%+5dgt) AC: \pm (1.0%+2dgt)	1V

Voltage detection: Automatic

Acoustic signal sound: AC 50V/DC 120V

Polarity detection: Full range

Range detection: Automatic

Response time: <0.1s/BAR, <2s/rdg

Automatic load(RCD): Yes

Peak current: Is<0.2A/ Is(5s) <3.5mA

Operation time: ED (DT)=30s.

Recovery time: 10 min

Auto power on: >12 VAC / DC

Resistance

Range	Accuracy	Resolution	Frequency
0 Ω ~ 2000 Ω	\pm (2%+10dgt)	1 Ω	45~65Hz

Overload Protection: 750V rms

Continuity

Threshold: <200K Ω



Diode

Range	Resolution
0.1V~1.0V	0.1V

Overload Protection: 1000V AC/DC

Frequency

Range	Accuracy	Resolution
30Hz~999Hz	$\pm(0.3\%+5\text{dgt})$	1Hz

Vmax (61Hz~999Hz): 20VAC

Overload Protection: 750V rms

Single-pole Phase Test


Range	Frequency
100~750VAC	45~65Hz

Rotary Field Indication

Range	Frequency
100~750VAC	50~60Hz

Measurement principle: Double-pole and firmly hold the grip (L2)

General:

Sampling Rate:	10 times/sec
Overload Indication:	"OL" or "-OL"
Low Battery Indication:	
Auto Power Off:	Approx. 20 secs after last operation
Operating Temperature:	0°C ~ 50 °C (<85%RH)
Storage Temperature:	-20°C to 60°C, 0% RH to 85% RH
Temperature Coefficient:	0.15 x (Specified accuracy) / °C, < 18°C, > 28°C .
Safety: Complies with EN 61010-1, EN 61243-3, EN 61557, and EN 60529 regulation	CAT. IV 600V/CAT. III 750V
Power Requirement:	2x 1.5V IEC LR03 or AAA size
Battery Life: (Alkaline)	200 hours
Size:	68mm(W) x 239mm(L) x 29mm(D)
Weight:	Approx. 240g (with battery)
Accessories:	Battery (installed) and Manual