

VT12, VT25 & VT28

Voltage Testers



Technical Data

VT25 & VT28

VT12



Key features

- AC/DC LED voltage indication
- Continuity test – LED & buzzer
- Includes continuity test
- GS38 & BS EN61243-3 compliant
- Indicate voltage even if battery is dead

Additional features VT25/VT28

- White LED torch light
- Phase rotation test
- Single pole phase test

Additional feature VT28

- LCD display of accurate voltage

	VT12	VT25	VT28
LED Voltage Indication	12-690V AC/DC	12-690V AC/DC	12-690V AC/DC
LCD Voltage Indication			10V-690V (DC, 16Hz-400Hz)
Continuity (LED + Buzzer)	✓	✓	✓
Phase Rotation		✓	✓
Single Pole Test		✓	✓
LED Torch		✓	✓
BS EN 61010-1 Safety Rating	CAT III 690V CAT IV 300V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V
GS38 Compliant	✓	✓	✓

The Martindale VT12, VT25 and VT28 are excellent value, compact two pole testers for measuring AC/DC voltages from 12V to 690V for universal applications. Auto power-off ensures a long battery lifetime. AC/DC voltage detection and continuity functions all have bright LED indication. In addition to 7 LED voltage thresholds, the VT28 also displays voltage values on an LCD display.

The voltage testers conform to the latest safety standards and includes removable probe caps for GS38 compliance. Additional safety features include a 1.2m double insulated cable with a black outer and contrasting inner core to give a visual warning of any damage.

VT25 and VT28 have a built-in white LED torch close to the probe tips makes it easy to use in low light environments. Additional capabilities include phase rotation testing plus single pole voltage detection.

IMPORTANT: Voltage Indicators should always be tested with a proving unit or known live source before and after use.

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Voltage Testers

FUNCTION	VT12	VT25	VT28
ELECTRICAL			
Maximum working voltage	690V DC & AC rms		
Nominal voltage threshold indications	12, 24, 50, 120, 230, 690V AC/DC		
Nominal voltage threshold tolerance	Conforms to BS EN 61243-3:2014		
Internal impedance at ELV AC	260kΩ		
Polarity indication	from 12V DC/AC rms		
Range detection	automatic		
Response time	<1s to 100% of each nominal voltage		
Frequency range	DC, 0 to 65Hz	DC, 16 to 400Hz	
Test current (I _n)	<3.5mA		
Duty ratio	30s ON (operated) / 240s OFF (recovery)		
Overvoltage protection	690V DC or AC rms		
Output voltage			
Output frequency			
DIGITAL VOLTMETER			
Voltage range			10V to 690V (DC, 16 to 400Hz)
Resolution			0.1V
Accuracy			± (3% + 5 digits)
SINGLE POLE PHASE TEST			
Voltage range		100 to 690V AC rms	
Frequency range		50 to 60Hz	
PHASE ROTATION TEST			
Voltage range		120 to 400V AC rms (phase to earth)	
Frequency range		50 to 60Hz	
CONTINUITY			
Resistance range	0 to 200kΩ	0 to 500kΩ	
Test current	3μA		
Overvoltage protection	690V DC or AC rms		
ENVIRONMENTAL			
Temperature (Operating)	-10°C to 55°C		
Temperature (Storage)	-20°C to 70°C, Non condensing		
Humidity (Operating & Storage)	≤ 85% R.H.		
Altitude	up to 2000m		
Pollution degree	2		
GENERAL			
Power	2 x 1.5V, AAA alkaline batteries (IEC LR03, NEDA 24A)		
Battery consumption	30mA max.	80mA max.	
Dimensions	250 x 72 x 40 mm	285 x 72 x 41 mm	
Weight	approx. 200g	250g	
SAFETY			
Conforms to	CAT III 690V, CAT IV 300V	BS EN 61243-3, BS EN 61010-1 CAT IV 600V, CAT III 1000V	
		Class II, double insulation	
IP rating	IP54	IP64 to BS EN 60529	
		GS38 compliance (with probe covers fitted)	
EMC			
Conforms to	BS EN 31326-1		

Included

VT12: 2 x probe tip covers, 2 x 1.5V AAA batteries and instruction manual
VT25: 2 x probe tip covers, 2 x 1.5V AAA batteries and instruction manual
VT28: 2 x probe tip covers, 2 x 1.5V AAA batteries and instruction manual

Related products

TC52 carry case
PD690S 690V proving unit
PD690SX 690V proving unit with CALCHECK

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Ver. B3.0

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