



## VT25 &amp; VT28

CAT III  
1000VCAT IV  
600V

## VT12

CAT III  
690VCAT IV  
300V**Key features**

- AC/DC LED voltage indication
- Continuity test – LED & buzzer
- Measures 12V to 690V AC/DC
- 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
- LCD display of voltage (VT28 only)

**PD690SRD**

- Ideal for proving low and high impedance voltage indicators, test lamps and two pole testers
- AC / DC voltage output, 50V, 120V, 230V, 440V, 690V
- Tough overmoulded design

Safe isolation procedures require voltage indicators to be proved against a known source both before and after use. As the UK market leader in safe isolation, Martindale supplies a kit with the VT12, VT25 or VT28 two pole voltage tester and matching PD690SRD AC / DC proving unit.

These are housed in a TC71 hard carry case (VT12) or TC72 carry case (VT25/VT28) with a neck strap, making it easy to carry and use the equipment on site.

The voltage testers are compact two pole testers for measuring AC/DC voltages from 12V to 690V. 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.

Prove your voltage tester is working with the PD690SRD AC/DC proving device. The device produces 50V, 120V, 230V, 440V & 690V enabling voltage indicators and devices with ranges up to 690V to be checked for both AC and DC functionality.

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



Keeping You Safe

# VT12PD-S, VT25PD-S & VT28PD-S

Voltage tester & proving device

Specifications

FUNCTION	VT12	VT25	VT28	PD690SRD
<b>ELECTRICAL</b>				
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 <sub>n</sub> )	<3.5mA			
Duty ratio	30s ON (operated) / 240s OFF (recovery)			
Overvoltage protection	690V DC or AC rms			
Output voltage				690, 440, 230, 120, 50V nominal
Output frequency				DC or 50Hz nominal
<b>DIGITAL VOLTMETER</b>				
Voltage range			10V to 690V (DC, 16 to 400Hz)	
Resolution			0.1V	
Accuracy			± (3% + 5 digits)	
<b>SINGLE POLE PHASE TEST</b>				
Voltage range			100 to 690V AC rms	
Frequency range			50 to 60Hz	
<b>PHASE ROTATION TEST</b>				
Voltage range			120 to 400V AC rms (phase to earth)	
Frequency range			50 to 60Hz	
<b>CONTINUITY</b>				
Resistance range	0 to 200kΩ	0 to 500kΩ		
Test current	3μA			
Overvoltage protection	690V DC or AC rms			
<b>ENVIRONMENTAL</b>				
Temperature (Operating)			-10°C to 55°C	-10°C to 40°C at max.
Temperature (Storage)			-20°C to 70°C, Non condensing	
Humidity (Operating & Storage)			≤ 85% R.H.	70% R.H.
Altitude			up to 2000m	
Pollution degree			2	
<b>GENERAL</b>				
Power	2 x 1.5V, AAA alkaline batteries (IEC LR03, NEDA 24A)		6 x 1.5V, AA alkaline batteries (IEC LR6, NEDA 15A)	
Battery consumption	30mA max.	80mA max.		
Dimensions	250 x 72 x 40 mm	285 x 72 x 41 mm		150 x 80 x 35mm
Weight	approx. 200g	250g		350g approx. with batteries
<b>SAFETY</b>				
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)				
<b>EMC</b>				
Conforms to	BS EN 31326-1			

### Included

**VT12PD-S:** 2 x 1.5V AAA batteries, 6 x 1.5V AA alkaline batteries, 2 x probe tip covers, instruction manual and TC71 hard carry case

**VT25PD-S:** 2 x probe tip covers, 2 x 1.5V AAA batteries, 6 x 1.5V AA alkaline batteries, instruction manual and TC72 hard carry case

**VT28PD-S:** 2 x probe tip covers, 2 x 1.5V AAA batteries, 6 x 1.5V AA alkaline batteries, instruction manual and TC72 hard carry case

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