



Specification  
VT25/VT28  
Voltage Tester



ELECTRICAL

Voltage Detector

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 a.c.: 260kΩ  
Polarity indication: from 12V DC/AC rms  
Range detection: Automatic  
Response time:<1s to 100% of each nominal  
voltage  
Frequency range: DC, 16 to 400Hz  
Test current (I<sub>b</sub>): <3.5mA  
Duty ratio: 30s ON (operated) / 240s OFF (recovery)  
Overvoltage protection: 690V DC or AC rms

Digital Voltmeter (VT28 only)

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 500kΩ + 50%  
Test current: 3μA  
Overvoltage protection: 690V DC or AC rms

ENVIRONMENTAL

Temperature (Operating): -10°C to 55°C  
(Storage): -20°C to 70°C, Non condensing  
Humidity (Operating & Storage): ≤ 85% R.H Altitude:  
up to 2000m  
Pollution degree: 2



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GENERAL

Power: 2 x 1.5V, AAA alkaline batteries (IEC  
LR03, NEDA 24A)  
Battery consumption: 80mA max.  
Dimensions packed: 285 x 72 x 41 mm  
Weight packed: approx. 250g  
Includes: 2 x 1.5V AAA batteries, 2 x probe tip  
covers, instructions

SAFETY

Conforms to BS EN 61243-3, BS EN 61010-1  
CAT IV 600V, CAT III 1000V  
Class II, double insulation  
IP rating: IP64 to BS EN 60529  
GS38 compliance (with probe covers fitted)

EMC

Conforms to BS EN 61326-1