



#### 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.: 260k $\Omega$

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 ( $I_t$ ): <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:  $\pm$  (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 500k $\Omega$  + 50%

Test current: 3 $\mu$ A

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):  $\leq$  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: 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