

# VI-13800 & VI-15000

## Voltage Indicators



VI-13800 VI-15000



### Key features

- Bright LED AC/DC voltage and polarity indication
- Simple and safe, no batteries, ranges or switches
- Retractable locking probe shrouds
- Heavy duty double insulated cable with contrasting inner core
- GS38 and BS EN61243-3 compliant

### Additional features VI15000

- Extended LED voltage indication to 690V
- CAT IV 1000V safety rating

	VI-13800	VI-15000
Self Powered	✓	✓
AC/DC Voltage Indication	✓	✓
Polarity Indication	✓	✓
LED Voltage Thresholds	50/100/200/400V	50/120/230/400/690V
Non Fused Protection	✓	✓
Retractable Probe Shrouds	✓	✓

When it comes to safe maintenance, reliably proving circuits are dead and locked off is key to implementing safe working practices. The Martindale VI Series provide the most trusted solution to live voltage indication with no batteries, ranges or switches which could lead to unreliable readings and a heavy duty CAT IV design.

Bright LEDs provide instant AC and DC voltage indication at set thresholds. In addition to displaying higher voltages up to 690V, the VI-15000 has a CAT IV 1000V safety rating making it suitable for use in all installation categories.

Other safety features include retractable probes to GS38, heavy duty finger guards and a two layer double insulated cable with a contrasting inner sheath to easily highlight cable damage which could compromise the user's safety.

Both models comply with the latest standard for voltage indicators, BS EN 61243-3 which prohibits the use of fuses. Over current protection is achieved through a high wattage resistor in the probe that will limit the current at the point of contact in the event of damage to the cable.



Keeping You Safe

# VI-13800 & VI-15000

## Voltage Indicators

Specifications

FUNCTION	VI-13800	VI-15000
<b>ELECTRICAL</b>		
Maximum working voltage	600V DC & AC rms	1000V DC & AC rms
Nominal voltage threshold indications	50, 100, 200, 400 V DC/AC rms	50, 120, 230, 400, 690V DC/AC rms
Nominal voltage threshold tolerance	Conforms to BS EN 61243-3:2014	
Internal impedance at ELV AC	214kΩ	355kΩ
Polarity indication	≥ 12V DC/AC rms	50V DC/AC rms
Range detection	automatic	
Response time	<0.1s	
Frequency range	DC, 1 to 400Hz	
Test current (I <sub>n</sub> )	<3.5mA	
Duty ratio	30s ON (operated) / 240s OFF (recovery)	
<b>ENVIRONMENTAL</b>		
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	
IP rating	IP54 to BS EN 60529	
<b>GENERAL</b>		
Power	from circuit under test	
Dimensions	205(L) x 67(W) x 27(D) mm	
Weight	130g approx.	
<b>SAFETY</b>		
Conforms to	BS EN 61243-3	
	BS EN 61010-1 CAT IV 600V Class II, double insulation	BS EN 61010-1 CAT IV 1000V Class II, double insulation
	GS38	
<b>EMC</b>		
Conforms to	BS EN 31326-1	

### Included

All models include instruction manuals.

### Related products

- VIPD138 440V voltage indicator, proving unit & combination carry case
- VIPD150 690V voltage indicator, proving unit & combination carry case
- VIPDLOK138 voltage indicator, proving unit, combination carry case & 12 piece lock out kit
- VIPDLOK150 voltage indicator, proving unit, combination carry case & 12 piece lock out kit
- VIPDLOKPRO138 voltage indicator, proving unit, combination carry case & 17 piece lock out kit
- VIPDLOKPRO150 voltage indicator, proving unit, combination carry case & 17 piece locking out kit

Martindale Electric Co. Ltd.  
 Metrohm House, 12 Imperial Park,  
 Imperial Way, Watford WD24 4PP.  
 T: 01923 441717 F: 01923 446900  
[www.martindale-electric.co.uk](http://www.martindale-electric.co.uk)  
[sales@martindale-electric.co.uk](mailto:sales@martindale-electric.co.uk)

### Ver. A2.0

Due to policy of continuous development, Martindale Electric reserves the right to alter equipment specification and description outlined in this document without prior notice. No part of this document shall be deemed to be part of any contract for the equipment unless specifically referred to as an inclusion within such contract. © 2020 Martindale Electric Co. Ltd.