



### HVD

- High Voltage Detector
- HV live or dead
- All weather IP65

ELECTRICAL	HVD13AC	HVD32AC	HVD33AC
<b>System Voltage (kV)</b>	6.6 to 132	11 to 33	44 to 132
<b>Threshold Range (kV)</b>	2.5kV	2.5kV	10kV
Non standard threshold voltages can be set outside the range to suit customers requirements			

#### Technical Overview

<b>Spark Protection</b>	Detector will not be damaged as a result of spark discharge while making contact with the conductor under test
<b>Bridging Protection</b>	Detector and its accessories will not cause flashover between live parts of the installation or between live parts of the installation and earth/ground
<b>Current Consumption</b>	30mA
<b>Test Button</b>	Tests and ready for use
<b>Visual Indicator (2Hz)</b>	Red lamp (voltage present), green lamp (safe)
<b>Audible Indicator</b>	Buzzer - 3.1kHz tone modulated at 2Hz - 70dB (1.5 metres)

#### Model Specification

	Length (mm)	Diameter (mm)	Material
<b>Y Electrode</b>	35	40	Stainless steel
<b>Standard Accessories</b>	Carry bag, Cleaning kit, Rose Connector, Y Contact		



### THVD

- Contact Capacitive High Voltage Detector
- Self starting and automatically activated when the High Voltage is applied to the contact electrode
- Use on sinusoidal (50 or 60Hz) High Voltage Systems
- Models are available to cover systems voltage from 6.6kV to 132kV
- HV live or dead
- All weather IP65

#### Technical Overview

MODEL	T213HVD	T217HVD	T218HVD	T219HVD	T220HVD	T222HVD
<b>System Voltage</b>	11kV	11/33kV	6/22kV	44/132kV	6.6/132kV	11/44kV
<b>Threshold Set within Range</b>	1.65kV to 4.4kV	3.3kV to 4.95kV	1.8kV to 2.7kV	6.6kV to 19.8kV	1.65kV to 14.6kV	4.4kV to 5.0kV
<b>Response Time</b>	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec
<b>Auto-OFF</b>	±3 Min	±3 Min	±3 Min	±3 Min	±3 Min	±3 Min
<b>Bridging Protection</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Spark Protection</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Battery Low</b>	<7V	<7V	<7V	<7V	<7V	<7V
<b>Threshold</b>	3.02kV	4.12kV	2.5kV	13.2kV	2.5kV	4.75kV
<b>Battery Current</b>	<30mA	<30mA	<30mA	<30mA	<30mA	<30mA
<b>Green = Ready</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Red = V Present</b>	Yes	Yes	Yes	Yes	Yes	Yes

LIFETIME WARRANTY

#### Model Specification

<b>Power Source</b>	1 x 9V Battery
<b>Standard Accessories</b>	Carry case, Cleaning Kit, 1 x Rose Connector, 1 x Y Contact
<b>Certificates</b>	Certificate of Conformance IEC 61481, IEC 61243-1 above 1kV 50/60Hz
<b>Dimensions (mm)</b>	180 (L) x 100 (Dia.)
<b>Weight (g)</b>	600



Supplied by:  
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Wireless Receiver



Wireless Transmitter

### WPC

- Series High Voltage Wireless Transmitter Receiver Phasing Comparator

**WPC1000** - 11kV-33kV Voltage range  
**WPC3000** - 44kV-132kV Voltage range

- Wireless distance up to 200 metres
- All weather use (indoor or outdoor)
- Conductor is energised or de-energised to detect and indicate the correct phase relationship between 2 energised lines nominal voltage and frequency
- IN phase or OUT of phase

#### Technical Overview

<b>System Voltage (kV)</b>	11 to 33kV		
<b>Threshold Range (kV)</b>	1.3kV		
<b>Response Time</b>	< 1 second		
<b>Spark Protection</b>	Detector will not be damaged as a result of spark discharge while making contact with the conductor under test		
<b>Bridging Protection</b>	Comparator and its accessories will not cause flashover between live parts of the installation or between live parts of the installation and earth/ground		
<b>Current Consumption</b>	45mA maximum		
<b>Range</b>	30m in air		
<b>Visual Indicator</b>	Transmitter - 2 x Red LED's / Receiver - 1 x Red LED + 1 x Green LED		
<b>Audible Indicator</b>	Buzzer present when IN Phase is indicated - > 65dB (5 metres)		
	<b>Length (mm)</b>	<b>Diameter (mm)</b>	<b>Material</b>
<b>Y Electrode</b>	35	40	Stainless steel
<b>Hook</b>	100	40	Stainless steel

#### Model Specification

<b>Power Source</b>	1 x 9V Battery
<b>Standard Accessories</b>	Carry case, Cleaning Kit, 2 x Rose Connector, 2 x Y Contact, 1 x Hook
<b>Certificates</b>	Certificate of Conformance IEC 61481, Calibration Certificate
<b>Dimensions (mm)</b>	180 (L) x 100 (Dia.)
<b>Weight (g)</b>	600



### T1133HVD25E

- Designed for multi-voltage sites
- Covers systems voltage from 11kV to 33kV
- Contact Capacitive High Voltage Detector
- Self-starting and automatically activated when the High Voltage is applied to the contact electrode
- Use on sinusoidal (50 or 60Hz) High Voltage Systems
- HV live or dead
- All weather use IP65
- Bridging protection
- Spark protection

#### Technical Overview

<b>System Voltage</b>	11/33kV
<b>Threshold Set within Range</b>	1.65kV to 14.6kV
<b>Response Time</b>	<1 Sec
<b>Auto-OFF</b>	±3 Min
<b>Battery Low</b>	<7V
<b>Threshold</b>	2.5kV
<b>Battery Current</b>	<30mA
<b>Green = Armed</b>	Yes
<b>Red = V Detected</b>	Yes

#### Model Specification

<b>Power Source</b>	1 x 9V Battery
<b>Standard Accessories</b>	Carry case, Cleaning Kit, 1 x Rose Connector, 1 x Y Contact
<b>Certificates</b>	Certificate of Conformance IEC 61481, IEC 61243-1 above 1kV 50/60Hz
<b>Dimensions (mm)</b>	180 (L) x 100 (Dia.)
<b>Weight (g)</b>	600

LIFETIME WARRANTY



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