

高電壓檢測計

CAPACITIVE HIGH VOLTAGE DETECTOR (CONTACT)



213 HVD - 225 HVD

本高壓檢測計之設計符合IEC標準。當接觸電極有高電壓時，213 HVD會自行啟動自動作業。也可以在使用前按壓”測試/啟動”鍵，以人工方式啟動，213 HVD適用於正弦波(50/60Hz)的高壓系統，從11kV~132kV的範圍都有適用的型號。

- 堅固外殼、抗震、抗摔。
- 偵測到電壓時，自動展開作業。
- 高亮度彩色顯示LED。
- 內建驗證和自我測試電路。
- 蜂鳴器響應分貝高。
- 符合EN 61010-1 CAT III 600V/CAT IV 300V。
- 可搭接各種絕緣連接棒。
- 可依客戶需求設定起動點。
- 室內和室外皆適用。
- 防水設計。
- 輕巧、堅固。

型號	213HVD	214HVD	215HVD	216HVD	217HVD	218HVD	219HVD	220HVD	221HVD	222HVD	223HVD	224HVD	225HVD
適用系統電壓(ACV)	11kV	33kV	66kV	132kV	11/33kV	44/132kV	66/132kV	6.6/132kV	11/132kV	11/44kV	33/132kV	44kV	KV USER DEFINED
起時反應電壓(KV)	1.65kV To 4.4kV	4.95kV To 13.2kV	9.9kV To 26.4kV	19.8kV To 52.8kV	3.3kV To 4.95kV	6.6kV To 19.8kV	13.2kV To 29.7kV	2 kV To 3 kV	4.4 kV To 6.6 kV	4.4 kV To 5 kV	13.2kV To 29.7kV	4.4 kV To 19.8 kV	Xx kV To Xx KV





This family of Capacitive High Voltage Detectors have been designed to meet the latest IEC standards.

Our HVD are self starting and automatically activated when the High Voltage is applied to the contact electrode.

They can also be manually armed before use by depressing the "TEST/ARMING" button.

These detectors are intended for use on sinusoidal (50 or 60Hz) High Voltage Systems.

Models are available to cover systems voltage from 11kV to 132kV.

Our Detectors are utilized to determine if a system is live or not, so that it maybe safely earthed/grounded.

All our models are designed for outdoor, but can be utilized indoor and in all weather condition.

This family of capacitive High Voltage Detectors are housed in a rugged, reinforced nylon moulded casing and are shock drop and vibration resistant.

Non-standard threshold voltages can be customized to suit applications requirements

The HVD have a low battery detection which inhibit manual arming when the battery is too low.

The Nylon case is easy to clean and maintain and the HVDs are supplied with the cleaning kit.

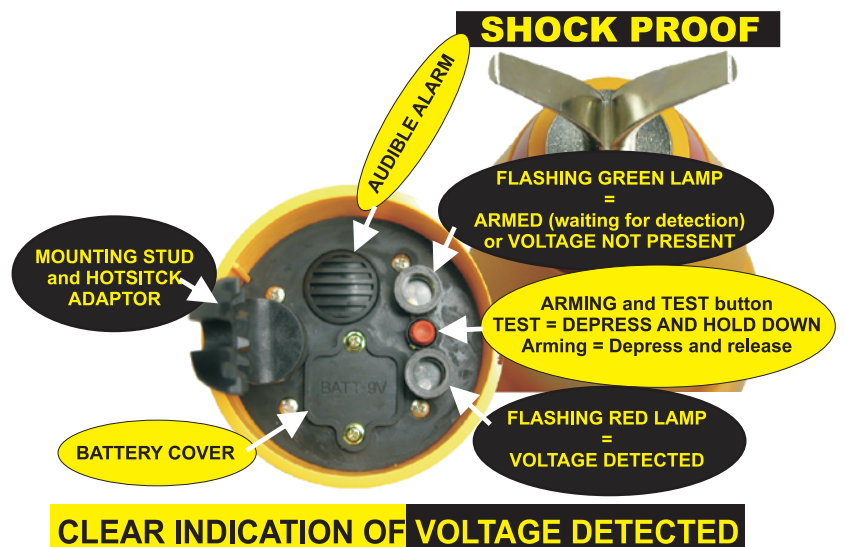
A visual indication shows when the HVD is armed. When armed, the Green Leds flashes about twice per second.

When HV is detected, the Red leds flashes about twice per second and the buzzer also buzz intermittently.

A range of accessories is available.

FEATURES

- Excellent Shock Resistance.
- Rugged Nylon moulding.
- Auto-ON (when Voltage Detected).
- Excellent Drop Resistance.
- Good Vibration Resistance.
- Loud Sound Alarm Indication.
- Built-in Proving and self-test circuit.
- High Bright Color Coded LEDS.
- Works from normal 9V battery.
- Interchangeable Contact Electrode.
- Use in All Wheather Conditions.
- Compatible with all link sticks.
- Lightweight, Robust & Compact.
- Models available from 11kV to 132kV.
- Suitable for indoor and outdoor use.
- Self (Auto-ON) or Manual Arming.
- Easy access to battery.
- Customized threshold on demand.
- Auto-Off (if no voltage detected).



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MODELS AND COMPARISON TABLE

PART#	212 HVD	213 HVD	214 HVD	215 HVD	216 HVD	217 HVD	218 HVD	219 HVD
System Voltage	4/15 kV	11 kV	33 kV	66 kV	132 kV	11/33 kV	44/132 kV	66/132 kV
Threshold Set within Range	1.9 kV To 2.1 kV	1.65 kV To 4.4 kV	4.95 kV To 13.2 kV	11 kV To 13 kV	11 kV To 13 kV	3.3 kV To 4.95 kV	11 kV To 13 kV	11 kV To 13 kV
Response Time	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec
Auto-OFF ¹	3 Min	3 Min	3 Min	3 Min	3 Min	3 Min	3 Min	3 Min
Bridging Protection ²	YES	YES	YES	YES	YES	YES	YES	YES
Spark Protection ³	YES	YES	YES	YES	YES	YES	YES	YES
Battery Low ⁴	<7V	<7V	<7V	<7V	<7V	< 7V	< 7V	< 7V
Threshold ⁵	2.0 kV	3.02 kV	9.07 kV	12.0 kV	12.0 kV	4.12 kV	12 kV	12 kV
Battery Current ⁶	< 30mA	< 30mA	< 30mA	< 30mA	< 30mA	< 30mA	< 30mA	< 30mA
Green = Armed ⁷	YES	YES	YES	YES	YES	YES	YES	YES
Red= V Detected ⁸	YES	YES	YES	YES	YES	YES	YES	YES
Test / Arming Button ⁹	YES	YES	YES	YES	YES	YES	YES	YES

PART#	220 HVD	221 HVD	222 HVD	223 HVD	224 HVD	225 HVD	226 HVD
System Voltage	6.6/132 kV	11/132 kV	11/44 kV	33/132 kV	44 kV	KV USER DEFINED	12/36 kV
Threshold Set within Range	2 kV To 3 kV	4.4 kV To 6.6 kV	4.4 kV To 5 kV	11 kV To 13 kV	6.6 kV To 17.6 kV	Xx kV To Xx kV	5.0 kV To 6.0 kV
Response Time	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec
Auto-OFF ¹	3 Min	3 Min	3 Min	3 Min	3 Min	3 Min	3 Min
Bridging Protection ²	YES	YES	YES	YES	YES	YES	YES
Spark Protection ³	YES	YES	YES	YES	YES	YES	YES
Battery Low ⁴	<7V	<7V	<7V	<7V	<7V	<7V	<7V
Threshold ⁵	2.5 kV	5 kV	4.75 kV	12 kV	12 kV	User's Spec.	5.4 kV
Battery Current ⁶	< 30mA	< 30mA	<3 0mA	< 30mA	< 30mA	< 30mA	< 30mA
Green = Armed ⁷	YES	YES	YES	YES	YES	YES	YES
Red= V Detected ⁸	YES	YES	YES	YES	YES	YES	YES
Test / Arming Button ⁹	YES	YES	YES	YES	YES	YES	YES

Please note the internal proofing circuit does not test the contact electrode and the protection devices.

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