



213 HVD-226 HVD

Capacitive High Voltage Detectors



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 standard 9V battery. Easy access to batteries.
- Interchangeable contact electrode.
- Use in all weather 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.
- Customized threshold on demand.
- Auto off (if no voltage detected).
- Waterproof design, protection class : IP65.

This family of Capacitive High Voltage Detectors has been designed to meet the latest IEC standards. The HVDs are used to determine whether a system is live or not so that it may be safely earthed/ grounded. They are self starting and automatically activated when high voltage is applied to the contact electrode. They can also be manually armed before use by depressing the "TEST/ARMING" button. The HVDs also have a low battery detection function.

These detectors are intended for use on sinusoidal signal (50 or 60Hz) high voltage systems.

Models are available to cover system voltages from 11kV to 132kV. Non-standard threshold voltages can be customized to suit application requirements. Utilized to determine if a system is live or not, so that it maybe safely earthed/grounded.

All models are designed for both indoor and outdoor use, in all weather condition.

Each HVD is housed in a rugged, reinforced nylon molded outer casing and is shock, drop and vibration resistant.

A visual indication shows when the HVD is armed. When armed, the green LED indicator flashes about twice per second. When high voltage is detected the red LED indicator flashes about twice per second, and the buzzer also sounds intermittently.

The HVD's outer casing is easy to clean and maintain. Each HVD is supplied with a cleaning kit and a carry case. A range of accessories is available..

Models and Comparison Table

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

PART#	213HVD	214HVD	215HVD	216HVD	217HVD	218HVD	219HVD	220HVD	221HVD	222HVD	223HVD	224HVD	225HVD	226HVD
System Voltage	11kV	33kV	66kV	132kV	11/ 33kV	44/ 132kV	66/ 132kV	6.6/ 132kV	11/ 132kV	11/ 44kV	33/ 132kV	44kV	kV User defined	12/ 36kV
Threshold Set within Range	1.65kV to 4.4kV	4.95kV to 13.2kV	11kV to 13kV	11kV to 13kV	3.3kV to 4.95kV	11kV to 13kV	11kV to 13kV	2kV to 3kV	4.4kV to 6.6kV	4.4kV to 5kV	11kV to 13kV	6.6kV to 17.6kV	Xx kV to Xx kV	5.0kV to 6.0kV
Threshold	3.02kV	9.07kV	12kV	12kV	4.12kV	12kV	12kV	2.5kV	5kV	4.75kV	12kV	12kV	User's Spec.	5.4kV

Response Time	<1 Sec
Auto-OFF	3Min
Bridging Protection	YES
Spark Protection	YES
Battery Low	<7V
Battery Current	<30mA
Green = Armed	YES
Red= V Detected	YES
Test / Arming Button	YES

Dimensions	300(L) x 100(W) x 100(D)mm
Weight	Approx. 550g (battery included)
Standarts	EN 61243-1



TOC-213

Hoyt Electrical Instrument Works, Inc.

23 Meter Street
Penacook, NH 03303

Phone: (800) 258-3652
Fax: (603) 753-9592
Email: sales@hoytmeter.com

www.hoytmeter.com