

CLYDESDALE

Powering the Future

DATASHEET: CLY 306 VW-30 V-Watch Personal Voltage Detector

The V-Watch Personal Voltage Detectors detect the strong electric fields surrounding high voltage conductors and power distribution equipment. It is a small pocket size device worn on the outside of the clothing or other protective gear by users operating near power lines or high voltage equipment. The V-Watch provides an extra level of safety for personnel working on or near high voltage systems.

Features

- Alerts user to proximity of high voltage.
- Audible and visual alarms increase in frequency the closer the user gets to energized equipment.
- Typical warning distance is about 7 feet (2.13m) from a 4kV AC conductor.
- Provides another level of safety for storm restoration workers and first responders.
- A tough nylon carrying case lanyard holds the V-Watch. It stores the V-Watch when not in use and can be worn around the neck during use.

Sensitivity:

Factory Set at 50/60Hz sensing threshold (see sensitivity chart below)

Operating Temperature:

-20° + 120°F (-29° to 49°C)

Battery:

9v alkaline 1604A, IEC 6LR61 – Life us 2 years in storage, one year typical usage

Beeper Sound Pressure Level:

100db

Weight (with battery):

5.2oz (147g)

Dimensions:

3.5" x 2.88" x 1.25" (8.89cm x 7.32cm x 3.18cm)

Sensitivity & Model selection chart

System Voltages	Typical Warning distance to first voltage indication	V-Watch Model
4kV Systems (2.4kV line-to-ground)	7 ft. (2.13m)	VW-20
15 kV Systems (7.2kV line-to-ground)	9 ft. (2.74m)	VW-30
25kV & 35kV Systems and above (14.4kV and 19.9kV line-to-ground and above)	10 ft. (3.05m) for 25kV 12ft. (3.66m) for 35kV	VW-40

Note: Special sensitivity ranges are available for customer specific applications

