

CLYDESDALE

Powering the Future

DATASHEET: CLY 300 DC3600

DC3600BP Voltage detector



The DC3600BP, Bi Polar Voltage detector is so named because of its second probe or pole that allows for the detection of DC voltages as well as AC. Detection of DC voltages is not possible with a conventional capacitive detector as the steady, unchanging electric field cannot be detected by a single pole field-effect device.

THE DC3600BP has a nominal AC voltage range of 500-3600VAC but has supplemental detection features that allow the safe and reliable indication of AC and DC voltages up to 36kV.

This device can therefore be used in environments where there is a risk of exposure to voltage sources of this type in the work environment. This makes it particularly useful for rail-side work where there may be signalling, 3rd rail and overhead line sources all present in the immediate area.

Visual indications provided by device:

- Green light – Active
- Blue light – Nominal voltage detected
- Red light – DC voltage present
- Orange light – Decaying DC voltage
- Overvoltage warning – up to 36kV

Each visual indication is accompanied by a corresponding audible warning.

There is a remote handset (DC3600M) optionally available to go with the device that works wirelessly to indicate the voltage currently being measure by the BP probe.

Specifications

- Current flow limited to <3.5mA in all situations
- Magnetic secondary probe
- Continuous internal self test in operation
- 500-3600V AC nominal range
- 36kV peak surge reading without failure
- Operating temperature -25°C/+55°C
- Hook probe for main device
- Adapters available for common stick types.
- Calibrated on real-world voltage
- CE marked

