



Features:

- High voltage range 0 - 3000 VDC
- LED display (read easily indoor/outdoor)
- Ambient light sensing on display
- Built in self test
- IEC61243 Compliance (by design)
- Compliance to TfNSW requirements (by design)

Description

The ART 1500VDC Detector is a resistive type voltage detector for use on live voltages. The detector has been design for compliance to IEC61243-2 (Live Working—Voltage Detectors—Resistive type to be used for voltages of 1kV to 36kV a.c. Further the detector has been design for compliance to Transport for New South Wales Engineering Specification SP E 70000 and SP E 70001 Voltage Detector for use on 1500VDC DC Equipment Over-head Wiring / Inside Substations respectively.

The Substation Detector model is supplied with a negative probe connected via 2m of cable, while the Trackside/Overhead Detector model is supplied with 6 meters of cable for connection to an approved earthing point.

For track side and overhead wire use the option of a 600 amp Mag Switch is available. The Mag Switch contains a handle to enable/disable a strong magnetic for maintaining a secure connection to rails and other approved earthing points.

The detector has the option of a mil spec transport case with custom foam to protect the tester when not in use. ART also offer handles in various length, standard sizes are 300mm and 700mm, other lengths up to 3m available on request.

Part Numbers/Options

Part Numbers/Options	Comment
3793 1000-A	Compliant to IEC 61243-2 and SE E 70000 (Trackside & Overhead Wiring use)
3793 1000-B	Compliant to IEC 61243-2 and SE E 70001 (Substation use)
3793 1103	Option - Extension Handle 300mm
3793 1107	Option - Extension Handle 700mm
3793 11XX	Option - Extension Handle XXmm - custom lengths on request (up to 3000mm)
3793 1200	Option - 600A Mag Switch for connection to rail, earth points etc
3793 1300	Option - Transport case, with wheels - military grade, water, crush and dust proof

Technical Specifications

Parameter	Units	Value
Voltage Range	VDC	0 – 3000
Resolution	VDC	1
Threshold Voltage U_t (IEC61243)	VDC	50 (activates visual and audible alarms)
Class (IEC61243)	-	D
Climatic Category (IEC61243)	W (-5 to 70°C)	
Indication Group	-	I - indicates high voltage presence, visually and audibly
Overall Length	mm	1000 (excluding probe tips)
IP rating	-	IP54
Detector Configuration (IEC 61243)	-	Fig 1c (separate handle + no insulating element)

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