

PCWI Compact

DC POROSITY DETECTORS

Complies with the requirements of

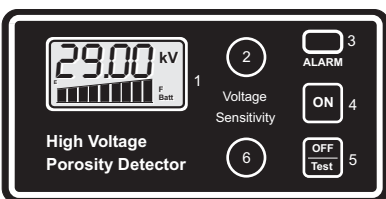
AS3894.1-1991 and Nace Standards: TM0186-94; TM0384-94; RP0490-2001; RP0274-98 & RP0188-99

Applications

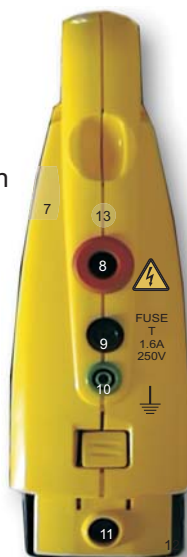
- Used for detection of coating porosity (pin-holes, or holidays) in dielectric (insulation type) coatings on conductive substrates, including concrete.
- Suitable for Production Pipeline Coating operations, Tank-work and Structures. Ideal for use on storage tanks, valves and pipelines.
- Housed in a fully portable ABS case, the Detectors deliver stabilised DC output of up to 30kv. Constant current source maintains applied test voltage. Full test current at low voltages (where it is needed most) when testing at low film builds (eg: 150µm—as per AS3894.1-1991).
- Incorporating momentary-on and continuous-on switches (mounted on the front panel), allowing the units to be switched on momentarily for safety, or run continuously.
- No need to swap power supplies or change probes to change voltage – the Detectors have clip-on battery packs that can be separately charged. Can operate off mains power (via the charger) during recharging. Fully recharged in 10 hours. Regulated DC output fully adjustable. Applied voltage and battery condition are continuously shown on the Liquid Crystal Display.

Controls

- 1 LCD display (including battery condition indicator)
- 2 Voltage control (10 turn)
- 3 Visual alarm indicates when fault is found
- 4 On switch
- 5 Off/test switch
- 6 Sensitivity control for the alarm
- 7 Audible alarm when fault is found
- 8 High Voltage probe connector
- 9 Fuse (1.6A slow blow) 5 x 20mm
- 10 Earth connection point
- 11 Charge connector – allows operation while charging is in progress
- 12 Clip-on battery pack
- 13 Earphone (connected on opposite side)



CONTROL LAYOUT



SIDE VIEW



Features

- Lightweight with ABS case
- Momentary on switch allows auto shut-off
- Digital display of applied voltage with integral battery condition indicator
- Regulated DC voltage
- Voltage ranges of 0-15Kv or 0-30Kv, fully adjustable
- Clip-on battery pack
- Constant test current
- Sensitivity control
- Overcharge protection
- Single power supply
- Earphones for noisy environments
- *Optional* on/off switch in handle

Complete with

Industrial Kit:

Detector with clip-on power pack, 10hr Charger, Probe handle with neon and 2m lead, 60mm Connector for flat brushes, 7m Earth lead with clamp, Fan Brush, 250mm Flat brass wire brush, 450mm Probe extension, Air-operated earphones, Shoulder & Waist Harness, Kit Case, Operating instructions.

Pipeline Kit:

Detector with clip-on power pack, Spare clip-on battery pack, 10hr Charger, Probe handle with neon and 2m lead, 7m Earth lead with clamp, Fan brush, Coil joiner with 450mm connector, Air-operated earphones, Shoulder & Waist Harness, Kit Case, Operating instructions.

Specifications

	DC15	DC30
Unit Weight:	2.2kg	2.2kg
Packed Weight:	6.0kg	6.0kg
Display:	LCD 3¾ digits	LCD 3¾ digits
Voltage:	0 to 15kv	0 to 30kv
Resolution:	10v	100v
Short circuit:	Test current 0.5mA max	
Power supply:	Gel Cell 3Ah Slide-off	
Dimensions:	260 x 160 x 70mm	
Alarm:	Audible and visual	
Probe handle:	2m high-voltage silicon-rubber lead	
Battery condition:	LCD Display	