

Compact Porosity Detectors

Suitable for Pipelines, Tankwork and Structures

- ABS Case
- Lightweight
- Momentary-on switch allows Auto Shut-off
- Digital Display of Applied Voltage with integral Battery condition indicator
- Regulated DC Voltage
- Voltage ranges to 15Kv or to 30Kv, fully adjustable
- Clip-on battery pack
- Constant Test Current
- Sensitivity Control
- Overcharge Protection
- Single Power Supply

Latest Technology in Porosity Detection



PCWI Compact DC15 & DC30

Complies with the requirements of AS3894.1-1991

PCWI *Compact* Detectors are high voltage instruments, used for detection of coating porosity (pin-holes, or holidays) in dielectric (insulation type) coatings on conductive substrates, including concrete. Ideal for use on storage tanks, valves and pipelines.

Housed in a fully portable ABS case, PCWI *Compact* 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).

Incorporates 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 power packs that can be separately charged. Fully recharged in 10 hours. Regulated DC output completely adjustable. Applied voltage and battery condition are continuously shown on the Liquid Crystal Display.

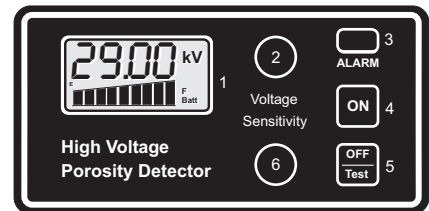
PCWI *Compact* Detectors are suitable for Production Pipeline Coating operations.



SIDE VIEW

All controls at your fingertips

- 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 (Internal)
- 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 jack (located opposite side)



CONTROL LAYOUT

Industrial Kit comprises:

Detector with clip-on power pack, Mini-Crest Meter, 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 comprises:

Detector with clip-on power pack, Mini-Crest Meter, Spare clip-on power 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.

Optional Accessories

Internal pipe brushes, Flat brushes, Kit Case, Fan brushes, Pipe coils and connectors, Trailing earth leads, Spare clip-on power packs, Certified Crest meters (for checking output voltage).

Specifications

	DC15	DC30
Unit Weight:	2.2kg	2.2kg
Packed Weight:	6.0kg	6.0kg
Display:	LCD 3½ digits	LCD 3½ digits
Voltage:	to 15kv	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

Specifications subject to change without notice • ©2000 PCWI Pty Ltd

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