

# PCWI Compact Porosity Detectors

PCWI International are leaders in the manufacture, certification and distribution of specialist measuring instruments relevant to the metals construction and coating industries.



## DC Porosity Detectors

Can be used in accordance with:  
AS3894.1 and Nace Standards: SP0490;SP0274 & SP0188

### 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).

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.

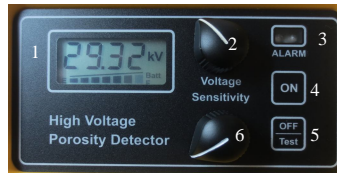
No need to swap probes to change voltage – the Detectors have clip-on battery packs that must be separately charged. Fully recharged in 4 hours. Regulated DC output fully adjustable. Applied voltage and battery condition are continuously shown on the Liquid Crystal Display.

### 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
- Slide-off power pack
- Constant test current
- Sensitivity control
- Overcharge protection
- Single power supply
- Earphones for noisy environments



## 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. Slide-off power pack
12. Earphone jack (connected on opposite side)



## Complete with Industrial Kit:

Detector with clip-on battery, Battery Clip, Universal 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, Calibration Certificate.

## Pipeline Kit:

Detector with clip-on battery, Battery Clip, Spare clip-on battery, Universal Charger, Probe handle with neon and 2m lead, 60mm Connector for flat brushes, 7m Earth lead with clamp, Fan brush, Coil joiner, 450mm connector, Air-operated earphones, Shoulder & Waist Harness, Kit Case, Operating instructions, Calibration Certificate.

## Specifications

	DC15	DC30
Unit Weight:	2.2kg	2.2kg
Packed Weight:	8.0kg	8.0kg
Display:	LCD 3¾ digits	LCD 3¾ digits
Voltage:	0 to 15kv	0 to 30kv
Resolution:	10v	10v
Short circuit:	Test current 0.5mA max	
Power supply:	NiMH 3.3Ah Slide Off	
Dimensions:	260 x 160 x 70mm	
Alarm:	Audible and visual	
Probe handle:	2m high-voltage silicon-rubber lead	
Battery condition:	LCD Display	

**MADE IN AUSTRALIA**

## PCWI International Pty Ltd

13 Alhambra Avenue CARDIFF NSW 2285

Ph: (02) 4954 3900 • Fax (02) 4954 3999

email: sales@pcwi.com.au • <http://www.pcwi.com.au>