

# COMPACT DC30 INDUSTRIAL KIT

Part Number: DC30IND



## Features

- Used for detection of coating porosity in dielectric, insulation type coatings on conductive substrates, including concrete
- Small, lightweight unit with a clip-on battery pack and digital display of applied voltage
- Constant test current, fully adjustable voltage and sensitivity controls
- Momentary on switch allows for auto shut-off
- Voltage: 0 to 30kV

## Product Description

The PCWI Compact is a High Voltage DC Porosity detector. They are also known as holiday detectors, spark testers, porosimeters and jeepers.

These are used to ensure the longevity of coating systems by locating pin holes, air bubbles, and porosity in non-conductive coatings on conductive substrates, including concrete.

PCWI also hire DC Detectors to clients within Australia.

In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where used, are not to scale. All dimensions are in millimetres and sizes given are approximate. Where possible, technical MSDS data sheets are made available on the website. All products should be installed and used in accordance with manufacturer's instructions provided. Warning: products may be the subject of registered designs and patents. Refer to website for terms and conditions on warranty.

Complies with the requirements of:

AS3894.1-2002 (R2013) and Nace Standards: SP0490-2007; SP0274-2011 & SP0188-2006

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.
- Incorporating momentary-on and continuous-on switches (mounted on the front panel), allowing the units to be switched on momentarily for safety, or to run continuously.
- No need to swap probes to change voltage - the detectors have clip-on battery packs which 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 for auto shut-off.
- Digital display of applied voltage with integral battery condition indicator.
- Regulated DC voltage.
- Voltage range of 0-30kV, fully adjustable.
- Clip-on battery pack.
- Constant test current.
- Sensitivity control.
- Overcharge protection.
- Single power supply.
- Earphones for noisy environments.

Industrial Kit complete with:

- Detector with clip-on power pack.
- 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 with calibration certificate.
- Battery Clip.

## Specifications

Weight: 6.0kg (packed)

Dimensions: 260 x 160 x 70mm

Voltage: 0 to 30kV

Short Circuit: Test current 0.5mA max

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Alarm: Audible & Visual  
Resolution: 10V  
Power: NIMH 3.3Ah Slide-off  
Probe Handle: 2m high-voltage silicon rubber lead

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