HOLIDAY DETECTOR

The PD series Holiday Detectors are designed to deliver an adjustable stabilized DC output voltage for the detection of pinholes or porosity in dielectric protective coatings applied to metal concrete or asbestos-cement substrates.

The PD series feature a 2 x 8 character backlight LCD that displays the user options for setting the test voltage, alarm volume, alarm threshold sensitivity, the test voltage formula and an optional audible tick that sounds when the high voltage is enabled. The test voltage may also be automatically calculated from the entered coating thickness. Fault detection is indicated by an audible alarm and illumination of a red LED on the front panel. A low-tension coiled lead connects the unit to the test probe.

The user options are selected by a membrane keypad input. The selected values and options are retained when the unit is switched off. During operation the test voltage will remain regulated as the battery discharge. Due to the fact that the output voltage is DC the material under test is subjected to minimum electrical stress.

PD SERIES HOLIDAY DETECTOR

SPECIFICATIONS:

Max Output Current:	Less than 1mA (continuous)
DC Sensitivity:	Adjustable - 10µA to 450µA
Batteries:	4 x D Cell Batteries
Meter Accuracy:	± 1.0% ± 1 digit (volts) | ± 2.0% (current)
Current meter FSD:	450µA
Test Voltage Formula:	NACE RP-02-74
Unit Dimensions:	16mm (W) x 60mm (H) x 200mm (D)
Unit Weight:	16Kg – including carry case and batteries
Handle Weight:	PD6 = 440g, PD130 and PD240 = 600g
Max Relative Humidity:	80% non – condensing
Altitude:	Up to 2000m
Temperature Range:	0^{O}C to +40^{O}C