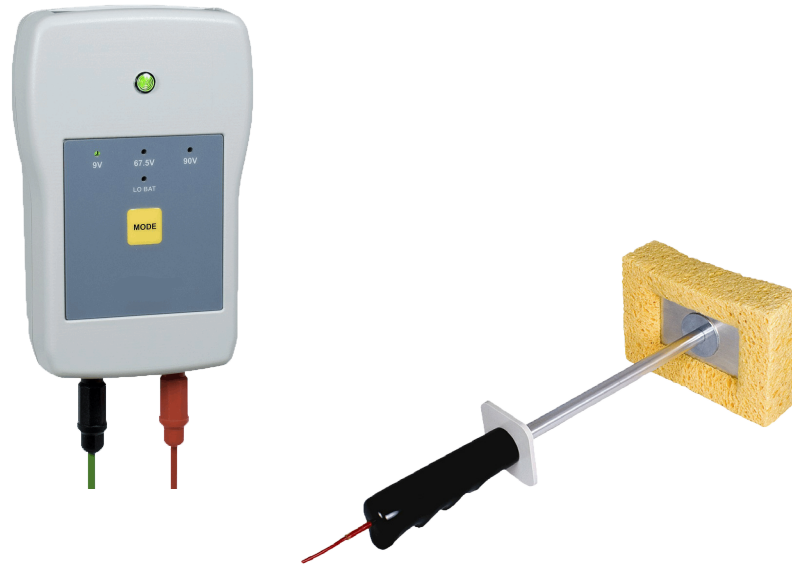


# PHD-620

Pin Hole Detector



The PHD-620 Pin Hole Detector is used to test the integrity of a coated surface by identifying pin holes and flaws in the coating.

Pin holes or flaws in the coating may lead to premature failure of the coating – early identification allows for corrective action to be taken.

The PHD-620 Pin Hole Detector identifies pin holes and flaws in the coating by passing a selectable voltage of 9 volts, 67.5 volts, or 90 volts, through a wet sponge which is moved over the coated surface. The voltage will make a path through the wetting agent to the pin hole or flaw in the substrate, an audible alarm will sound and a red light will flash on the unit identifying the area for closer inspection. The application of the test is safe and does not cause burn marks or damage to the coating.

The PHD-620 Pin Hole Detector can be carried by the operator due to its light weight and portable design.

The PHD-620 Pin Hole Detector is supplied in a hard plastic foam filled carry case complete with 150mm broad sponge assembly, and earthing cable.

A calibration certificate traceable to UKAS is available as a cost option upon request.

Complies with International Standards: BS EN ISO 8289 A, BS 7793-2, ASTM D-5162, ASTM G62-87, ASTM G6-83, NACE RP 0188

## PINHOLE DETECTOR SPECIFICATIONS

Part no.	Range	Maximum Test Thickness 9V	Maximum Test Thickness 67.5V	Maximum Test Thickness 90V	Accuracy	Sponge Size	Cal. Cert. Part No.
7866200	9V / 67.5V / 90V	300µm 12mils	500µm 20mils	500µm 20mils	±1%	150 x 100 x 30mm	7866211

## ACCESSORIES

Part no.	Product	Size Metric	Size Imperial	Extension Size	Information
7866210	Extension rod	500mm	20"		To extend Sponges for applications where a long reach is required.
7866220	Extension rod	1000mm	40"		
7866230	Circular Sponge and Assembly	50mm	2"	200mm / 8"	Circular Sponges for the testing of internal diameters of pipes.
7866240	Circular Sponge and Assembly	100mm	4"	200mm / 8"	
7866250	Flat Sponge and Assembly	200mm	8"	200mm / 8"	For coatings on large flat areas.
7866260	Earth Cable	10m			Larger testing area Earth Cables.

### Related Literature

LT9000E	AIE Airblast Inspection Equipment - The Guide
LT9600E	Data Sheet - HOD-600 DC Holiday Tester
MN9600E	Instruction Manual - HOD-600 DC Holiday Tester
MN9620E	Instruction Manual - PHD-620 Pinhole Detector