Elcometer 270

Pinhole Detector

STANDARDS:
AS 3894.2, ASTM D 5162-A, ASTM G6, ASTM G62-A, BS 7793-2, ISO 8289-A, ISO 14654, JIS K 6766, NACE RP 0188, NACE SP 0188, NACE TM0384

The Elcometer 270 range utilises the wet sponge technique and sets the standard for wet sponge detectors - high quality, low voltage detectors with a wide range of accessories to meet your requirements.

User selectable voltages: 9V, 67.5V or 90V

Automatic internal voltage check ensures that the selected voltage can be achieved

Easy release, snag proof cables - available in 4m (13'2") & 10m (32'10") lengths

Visual and audible alarms indicate a pinhole

A wide range of wand accessories available

Each unit can be converted into a separate wand with a base unit using the separate wand adaptor

elcometer

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Accessories

Standard wand — T27016867
A universal flat sponge to suit almost all applications

Spare flat sponge set Pack of 3 sponges; — T27018050
150 x 60 x 25mm (6 x 2.3 x 1")

Roller sponge wand — T27016960
Ideal for large flat surface inspection

Spare roller sponge — T27018051

Telescopic wand adaptor — T27016998
with belt clip - extends to 1m(39"), ideal for floors or high areas

Separate wand adaptor — T27016999
with belt clip - converts the gauge into a separate pinhole detector

Extension piece — T27016965
420mm (16.5") extensions to expand operators reach. Additional extension pieces can be connected to each other

Pinhole Inspector's Kit — T27018191
The complete pinhole detection kit. Each kit is supplied with:
1 x separate wand handle & lead
1 x roller wand
1 x 10m (32') signal return cable
2 x extension pieces
1 x telescopic extension
1 x belt clip
1 x bottle of wetting agent
3 x AA batteries
1 x spare flat sponge
1 x spare roller sponge
The kit does not include the main instrument; just add the model number to the order

Return cable - 4m (13') — T99916954
supplied as standard, complete with crocodile clip and connection plug

Return cable - 10m (32') — T99916996
supplied on a drum, complete with clip and connection plug

Wetting agent — T27018024
50ml (1.7floz) bottle - helps aid the fast detection of pinholes. Just add to the water used to dampen the sponge

Technical Specification — C

Model	Elcometer 270/3	Elcometer 270/4	Certificate
Part Number	D270----3	D270----4	
Part Number with Certificate	D270----3C	D270----4C	●
Voltage	9V and 90V	9V, 67.5V and 90V	
Coating Range (Max)	500µm (20mils)	500µm (20mils)	
Sensitivity	9V: 90kΩ ±5% 90V: 400kΩ ±5%	9V: 90kΩ ±5% 67.5V: 125kΩ ±5% 90V: 400kΩ ±5%	
Battery Life (continuous use)	9V: up to 200 hours 90V: up to 80 hours	9V: up to 200 hours 67.5V: up to 100 hours 90V: up to 80 hours	
Battery Type	3 x AA batteries (rechargeable batteries can also be used, battery life will be reduced by up to 75%)		
Accuracy of Setting	±5%		
Dimensions	Without wand 210 x 42 x 37mm (8.3 x 1.7 x 1.5")		
	Standard wand 175mm (6.9") long (including sponge)		
Weight	610g (21oz) including wand, cable and batteries		
Packing List	Pinhole Detector, standard wand and flat sponge, 4m (13' 2") return lead with crocodile clip, 3 x AA (LR1600) batteries and operating instructions		

● Calibration Certificate supplied as standard.