

Pinhole & Porosity

Elcometer 270

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

Pinhole Detector

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

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elcometer

Pinhole Detector

Elcometer 270

Accessories



Standard wand
A universal flat sponge to suit almost all applications
Spare flat sponge set
Pack of 3 sponges;
150 x 60 x 25mm (6 x 2.3 x 1")

T27016867

T27018050



Roller sponge wand
Ideal for large flat surface inspection

T27016960

Spare roller sponge

T27018051



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

T27016998

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

T27016999



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

T27016965



Pinhole Inspector's Kit
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

T27018191



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

T99916954

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

T99916996



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

T27018024

Technical Specification

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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.

DIGINDT.IR
FGJ-NDT.IR

+982165565901

+982144584619

+989034119385

Tehran, Tehransar