

PINHOLE DETECTOR CV-PT900™

Detector to test on pinholes and porosity in coatings

- Light-weight and hand-held test electrodes provide convenient operation
- Test method conforms to DIN 55 670
- 15 sensitivity settings
- Pre-set test voltages related to material thickness
- Backlit display to indicate current test voltage, number of pores and material thickness
- High voltage probe with equipment-on and pore indicator tested
- Residual voltage indicator for variable test voltages of industrial steel constructions
- Alarm signal when exceeding pore limit setting (Limit)
- Electrical safety provisions according to VDE 0411, part 1: probe voltage and maximum discharge rate stay below the limit values as specified by the safety standard.
- Power supply: AC or battery operated via integrated storage battery (C-cells)



Special electrode,
e.g. to measure on tubes

Technical specifications

Models available	0.5...7 kV (CV-PT900) 6...35 kV (CV-PT901)
Coating thickness	0.03mm...1.7mm (CV-PT900) 1.4mm...11.3mm (CV-PT901)
Dimensions/weight high voltage probes	L x ø : 274mm x 63mm /550gr
Main unit	
Voltage	DC
Test voltage indication	LC-Display, 3-digit
Tolerance	±(0.1 kV + 3% of reading)
Alarm tone	90 dB, 0.1 s/Pore, continuous tone in case of short-circuit
Signal output	potential free, U _{max.} : 100 V, I _{max.} : 0.4 A
Supply voltage	4 C-cells, IEC LR 14, 3.5 Ah, NiMH, replaceable
Battery life at max. voltage	Approx. 20 h (CV-PT900) Approx. 10 h (CV-PT901)
Battery charging time	4 hrs (quick charge)
Charger	110-230V, 50-60Hz, automatic switch
Continuous charging	Is permitted and allows continuous use on the mains
Operating temperature	0°...+50°C/32°...+122°F
Standards	DIN 55 670, DIN 50191 (VDE 0104), DIN EN 61010/Part 1 (VDE 0411/Part 1)
Dimensions	225mm x 150mm x 85mm (L x W x H)
Weight	1400gr

Standard delivery

- Main unit
- Rugged plastics carrying case
- Control unit with integrated storage battery
- Connecting cable probe-control unit
- High voltage probe
- Metal sweeper electrode
- Silicon-rubber electrode, 200mm (0.7 ft) width
- Earthing magnet
- Earthing clamp
- Equipotential cable, 5 m (16 ft) length
- Power cable
- Shoulder belt
- Manual
- Certificate

Optional accessories

- Aluminium case
- Various special probes (ask for details)
- Various special electrodes (ask for details)
- 3-pin plug, cable-free
- Connecting cable for control unit and high voltage probe (5m, 10m)
- Earthing rod
- Earthing/equipotential cable (10m)