

PosiTector Dew Point Meter

Measures and records climatic conditions including: Relative humidity, air temperature, surface temperature, dew point temperature and difference between surface and dew point temperatures.

Ideal for surface preparation as required by ISO 8502-4, BS 7079-B4, ASTM D3276, IMO PSPC, SSPC-PA7 and US Navy NSI 009-32

Theory

The PosiTector DPM uses a dedicated air temperature/humidity sensors and thermocouple sensors for surface temperature.

The system measures and supplies live relative humidity, air temperature and surface temperature measurements, and calculates the dew point temperature. Advanced gauge models can also calculate and display wet bulb temperature.

How to select your probes

Built-in Probe

Includes built-in air temperature/humidity sensor and thermocouple surface temperature sensor

Separate Probe

Includes built-in air temperature/humidity sensor and K-type connector

Magnetic surface temperature sensor with armoured cable and locking device to prevent accidental disconnection from the instrument during unattended operation

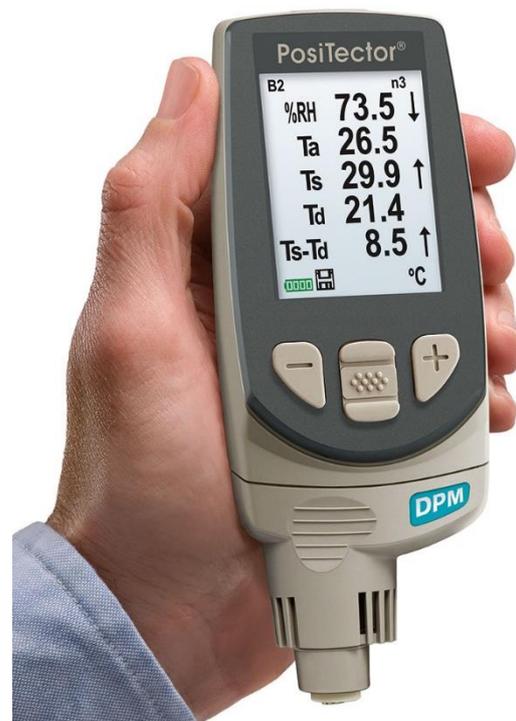
Includes magnetic tab to attach the gauge body onto steel structures

Easily converts to accept other optional K-type probes including:

- Hand-held Surface Temperature Probe – for spot checking hard-to-reach surfaces
- Self-adhering Surface Temperature Probe – sticks to solid materials including aluminium, wood, concrete, etc. Ideal for unattended monitoring.
- Liquid Temperature Probe – general purpose probe with stainless steel shaft

Technical Specifications

Specifications	Range	Accuracy	Resolution
Surface Temperature (Celsius)	-40° to 80°	± 0.5°	0.1°
	80° to 190°	± 1.5°	
Air Temperature (Celsius)	-40° to 80°	± 0.5°	0.1°
Humidity	0 to 100 %	± 3 %	0.1 %



Separate Probe



Built-in Probe

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Standard Gauge Features

Simple

- Large, easy-to-read, graphics LCD
- Enhanced one-handed menu navigation
- No need to consult complex tables or use a slide rule calculator
- Audio and visual alarm – indicates when climate conditions are unsuitable for painting
- All readings are constantly updated and displayed simultaneously
- RESET feature instantly restores factory settings
- Dataset Storage Capacity (1 dataset = RH, Ta, Ts, Td, Ts–Td) Stored readings can be viewed or downloaded 2,500 in one group
- Auto Log Mode automatically records all 5 parameters at user selected time intervals. Runs unattended on batteries or continuously via USB.

Powerful

- Hold function freezes the display allowing measurements to be manually recorded
- USB port for fast, simple connection to a PC and to supply continuous power. USB cable included
- Screen Capture - record and save image into USB flash memory for record keeping and review
- Software updates via web keep your gauge current
- PosiSoft solutions for viewing, analysing & reporting data:
- PosiSoft Desktop v 4 - desktop software (PC/Mac) for downloading, viewing, printing and storing measurement data. Available as a free download.
- PosiSoft.net account - a free web-based application offering secure storage of thickness readings
- PosiSoft USB Drive - stored readings and graphs can be accessed using universal PC/ Mac web browsers or file explorers. No software required
- Every stored measurement is date and time stamped

Durable

- Rugged, outdoor/indoor instrument
- Solvent, acid, oil, water and dust resistant – weatherproof
- Shock-absorbing, protective rubber holster with belt clip and wrist strap
- Two (2) year warranty on body and probe

Accurate

- Fast response precision sensors provide accurate, repeatable readings with high reliability and long term stability
- SmartTrend™ Indicators identify rising, falling or stable readings
- Certificate of Calibration showing traceability to NIST included
- Conforms to national and international standards including ISO and ASTM

Versatile

- PosiTector body accepts all PosiTector 6000, 200, DPM, UTG, RTR and SPG probes easily converting from a coating thickness gauge to a dew point meter, surface profile gauge or wall thickness gauge. [View Video](#)
- Internal Memory stores datasets with the simple touch of a button
- Auto Log Mode automatically records 5 parameters at user selected time intervals. Ideal for unattended operation.
- Field calibratable
- Celsius/Fahrenheit switchable
- Selectable display languages
- Hi Contrast backlit display for bright or dark environments
- Flip display enables right-side-up viewing
- Uses alkaline or rechargeable batteries (built-in charger)

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Additional Features on Advanced Models

- Wet bulb temperature can be displayed (does not store in memory)
- User defined limits for all parameters with visible and audible warnings
- Trend Charts graph readings in real-time. View Video
- Batch Annotation - Create meaningful batch names and enter notes directly on the instrument using a familiar on-screen QWERTY keyboard.
- Real time graphing, picture prompting and batch notes

Systems Include

ALL GAUGES COME COMPLETE with:

- Humidity, air and surface temperature sensors
- Protective rubber holster with belt clip and wrist strap
- 3 AAA batteries
- Instructions
- Nylon carrying case with shoulder strap
- Protective lens shield
- Certificate of Calibration traceable to NIST
- USB cable
- Two (2) year warranty.

SIZE: 178 x 64 x 31 mm (7 x 2.5 x 1.2 in.)

WEIGHT: 185 g (6.5 oz.) without batteries

CONFORMS TO: ISO 8502-4, BS 7079-B4, and ASTM D3276



About PCTE

PCTE have over 30 years' experience in the measurement and testing of construction materials. PCTE can provide more than just the equipment, they can provide expert training. PCTE have a service centre in Sydney in which they can provide calibration, repairs and warranty repairs.

Other Equipment

PCTE supply three main ranges: NDT, Lab and Geotech Instrumentation.

NDT includes: Rebound Hammers, Covermeters, Ultrasonics, GPR, Corrosion Testing, Coating Testing and Foundation Testing

Lab includes equipment for: Concrete, Cement, Aggregate, Soil, Asphalt and Metal

Geotech Instrumentation includes: Strain Gauges, Piezometers, Inclometers, Extensometers, Tiltmeters, Load Cells and Dataloggers