

PosiTector[®] *DPM*

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.



Select from 4 probe styles



Available on the
App Store



PosiTector[®]
SmartLink
Compatible

D A T A S E T *

MEASURES

RH – relative humidity
Ta – air temperature
Ts – surface temperature
v – wind velocity

CALCULATES

Td – dew point temperature
Ts – Td – the difference between surface and dew point temperatures
Tw – wet bulb

* Dependent on model

DeFelsko[®]
The Measure of Quality

PosiTector®*DPM* Dew Point Meter

All Gages Feature...

Simple

- All readings are constantly updated and displayed simultaneously
- No need to consult complex tables or use a slide rule calculator
- Alarms indicate when climate conditions are unsuitable for painting

Durable

- Solvent, acid, oil, water and dust resistant—weatherproof
- Shock-absorbing, protective rubber holster with belt clip
- Two year warranty on body AND probe

Accurate

- Fast response precision sensors provide accurate, repeatable readings
- Smart Trend™ 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 DPM, 6000, 200, RTR, SPG, SST, SHD and UTG probes easily converting from a dew point meter to a coating thickness gage, surface profile gage, soluble salt tester, shore hardness durometer or ultrasonic wall thickness gage
- Auto Log mode records environmental parameters at user selected time intervals
- High contrast LCD with backlit display
- Flip Display enables right-side-up viewing
- Uses alkaline or rechargeable batteries (built-in charger)

Powerful

- Every stored measurement is date and time stamped
- Screen Capture—save screen images for record keeping and review
- Sealed USB port for fast, simple connection to a PC and to supply continuous power. USB cable included.
- PosiSoft USB Drive—stored readings and graphs can be accessed using universal PC/Mac web browsers or file explorers. No software required.
- Includes PosiSoft suite of solutions for analyzing and reporting data

Select from 4 interchangeable probe styles

Integral Probe (DPM)

- Measures dew point, RH, air temperature and surface temperature

Integral Probe with Cabled Surface

Temperature Sensor (DPMS)

- Includes the ambient temperature and humidity sensors from PosiTector DPM Integral Probe plus a magnetic surface temperature sensor with armored cable (also accepts other optional K-type sensors)

Integral Probe with Wind Speed Sensor (DPMA)

- Includes the ambient temperature, surface temperature, and humidity sensors from PosiTector DPM Integral Probe plus a hot wire anemometer
- Choice of wind speed measurement units — m/s, km/h, mph, ft/s, ft/m, knots
- Auto-rotating display for inverted use

Cabled Probe with 1/2" NPT Threads (DPMD)

- Measures dew point, RH and air temperature
 - 1/2" NPT threads for insertion into tanks and pipes (max 200 psi/1.3 MPa)
 - Sintered aluminum housing protects sensors

Conforms to ISO 8502-4, BS 7079-B4, ASTM D3276, IMO PSCP, SSPC-PA7 and US Navy NSI 009-32.

Standard Models

Includes ALL features as shown on left plus...

- Storage of 2,500 datasets
- Auto Log mode runs unattended on batteries for up to 50 hours or continuously via USB

Advanced Models

Includes ALL features as shown on left plus...

- Storage of 100,000 datasets in up to 1,000 batches
- **NEW** Enhanced Auto Log mode turns the gage off between readings for up to 8 months of battery life. Each reading can be uploaded to PosiSoft.net or an FTP server using WiFi. Automatically group readings into batches at daily, weekly, or monthly intervals
- User defined limits for all parameters—visible and audible warnings
- **NEW** Send email alerts when connected to WiFi
- **Bluetooth** Technology for data transfer to a mobile device running the PosiTector App or optional portable printer
- Onscreen Batch Annotation—add notes, change batch names and more with built-in QWERTY keyboard
- Store thickness, profile, environmental and wall thickness measurements in individual batches
- Wet bulb temperature can be displayed and recorded
- Trend Charts graph readings in real-time

PosiTector SmartLink™

- Wirelessly connect PosiTector DPM and DPMS probes to your smart device

For a complete comparison visit www.defelsko.com/dpm

| Specifications | Range | Accuracy | Resolution |
|---------------------|----------------|-----------------|------------|
| Surface Temperature | -40° to 80° C | ± 0.5° C | 0.1° C |
| | 80° to 190° C | ± 1.5° C | |
| | -40° to 175° F | ± 1° F | 0.1° F |
| | 175° to 375° F | ± 3° F | |
| Air Temperature | -40° to 80° C | ± 0.5° C | 0.1° C |
| | -40° to 175° F | ± 1° F | 0.1° F |
| Humidity | 0 to 100% | ± 3% | 0.1% |
| Wind Speed | 0 to 20 m/s | ± 3% Full Scale | 0.1 m/s |
| | 0 to 44 mph | | 0.1 mph |
| Dew Point | -60° to 80° C | ± 3° C* | 0.1° C |
| | -76° to 175° F | ± 5.4° F* | 0.1° F |

*dependent on RH. See www.defelsko.com/TdAccuracy for more information.

ALL GAGES COME COMPLETE with environmental sensors, protective rubber holster with belt clip, wrist strap, 3 AAA batteries, instructions, nylon carrying case with shoulder strap (DPM/DPMA/DPMD), hard shell carrying case (DPMS), protective lens shield, Long Form Certificate of Calibration traceable to NIST, USB cable, two year warranty.

SIZE: 159 x 61 x 31 mm (6.25" x 2.4" x 1.2")

WEIGHT: 150 g (5.3 oz.) without batteries

| Ordering Guide | DPM | DPMS | DPMA | DPMD |
|----------------|--------|---------|---------|---------|
| Standard | DPM1 | DPMS1 | DPMA1 | DPMD1 |
| Advanced | DPM3 | DPMS3 | DPMA3 | DPMD3 |
| Probe Only | PRBDPM | PRBDPMS | PRBDPMA | PRBDPMD |