PosiTector® DPM

Dew Point Meter

IP65

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 5 probe models

Available on the App Store

WiFi

PosiTector® SmartLink™ Compatible

Bluetooth®

DATASET*

MEASURES	CALCULATES
RH – relative humidity	**Td** – dew point temperature
Ta – air temperature	**Ts–Td** – the difference between surface and dew point temperatures
Ts – surface temperature	**Tw** – wet bulb
v – wind velocity	

* 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
- Alarms indicate when climate conditions are unsuitable for painting
- ***NEW*** Larger 2.8" impact resistant color touchscreen with redesigned keypad for quick menu navigation

Durable
- ***NEW*** Weatherproof, dustproof, and water-resistant—IP65-rated enclosure
- Shock-absorbing protective rubber holster for added impact resistance
- Two year warranty on gage 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, IRT, 6000, 200, RTR, SPG, SST, SHD, BHI, and UTG probes easily converting from a dew point meter to a coating thickness gage, surface profile gage, soluble salt tester, hardness tester, or ultrasonic wall thickness gage
- Auto Log mode records environmental parameters at user selected time intervals
- ***NEW*** Auto rotating display with Flip Lock

Powerful
- ***NEW*** Screen Capture—save 100 screen images for record keeping and review
- ***NEW*** Instant-on feature quickly powers up the gage if recently powered down
- ***NEW*** Up to 30% longer battery life
- 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.
- Every stored measurement is date and time stamped
- Includes PosiSoft suite of software for viewing and reporting data

Standard Models

Includes ALL features as shown on left plus...
- Storage of 2,500 datasets per probe—stored readings can be viewed or downloaded
- 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...
- ***NEW*** Storage of 250,000 datasets from multiple probes in up to 1,000 batches
- Enhanced Auto Log mode powers 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 alarms for all parameters—visible and audible warnings. Receive email alerts when connected to WiFi
- Trend Charts graph readings in real-time
- ***NEW*** Touchscreen keyboard for quickly renaming batches, adding notes, and more
- WiFi technology wirelessly synchronizes with PosiSoft.net and downloads software updates
- **Bluetooth® 4.0 Technology** for data transfer to a mobile device running the PosiTector App or optional portable printer. **BLE API** available for integration into third-party software.
- Store thickness, profile, environmental, salt contamination, hardness, and wall thickness measurements in individual batches
- Wet bulb temperature can be displayed and recorded

PosiTector SmartLink™ Compatible

- Wirelessly connect PosiTector DPM and DPMS probes to your smart device
- Turns your cell phone or tablet into a virtual PosiTector gage
- Includes Free mobile app

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

Remote Monitoring with Auto Log Mode

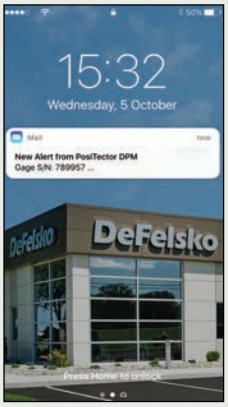
In addition to its capability as a handheld instrument, the PosiTector DPM Advanced model's innovative Auto Log feature can be used to. . .

- Monitor and record climatic conditions at user-selected intervals. Advanced models allow you to create new batches at daily, weekly, or monthly intervals.
- Upload readings to the cloud-based PosiSoft.net website after each measurement*
- Receive email alerts when readings exceed pre-defined parameters*
- Upload readings to an FTP server for integration with third party software*
- View environmental readings from one or more gages in remote locations from PosiSoft Desktop software or web-based PosiSoft.net

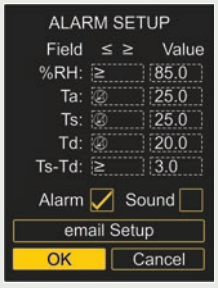
* requires an internet connection

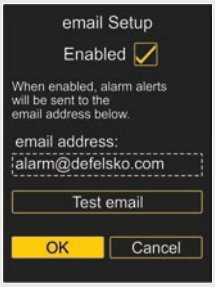
Access your data from any web-connected device.

PosiSoft Desktop software includes the PosiTector DPM Monitor feature for continuous charting of readings from one or more dew point meters. PosiTector DPM Monitor refreshes data from PosiSoft.net once every minute.



Receive email alerts when readings exceed pre-defined parameters





Probe Description	**Integral Probe with Direct Contact Surface Temperature Sensor**	**Integral Probe with Infrared Surface Temperature Sensor**	**Integral Probe with K-type Cabled Surface Temperature Sensor**	**Integral Probe with Wind Speed Sensor**	**Cabled Probe with 1/2" NPT Threads**
Measured/ Calculated Parameters	Surface Temperature Air Temperature Wet Bulb Temperature* Relative Humidity Dew Point Temperature Surface Temperature minus Dew Point Temperature	Surface Temperature Air Temperature Wet Bulb Temperature* Relative Humidity Dew Point Temperature Surface Temperature minus Dew Point Temperature	Surface Temperature Air Temperature Wet Bulb Temperature* Relative Humidity Dew Point Temperature Surface Temperature minus Dew Point Temperature	Surface Temperature Air Temperature Wet Bulb Temperature* Relative Humidity Dew Point Temperature Surface Temperature minus Dew Point Temperature Wind Speed	Air Temperature Relative Humidity Dew Point Temperature
Ordering Guide					
Standard Body and Probe	**DPM1**	**DPMIR1**	**DPMS1**	**DPMA1**	**DPMD1**
Advanced Body and Probe	**DPM3**	**DPMIR3**	**DPMS3**	**DPMA3**	**DPMD3**
Probe only	**PRBDPM**	**PRBDPMIR**	**PRBDPMS**	**PRBDPMA**	**PRBDPMD**

**Wet Bulb Temperature displayed/recorded on PosiTector Advanced (3) models only*

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

***SIZE:** 127 x 66 x 25.4 mm (5" x 2.6" x 1")

***WEIGHT:** 137 g (4.9 oz.) without batteries

** Size and weight are for the PosiTector gage body only and do not include the probe.*

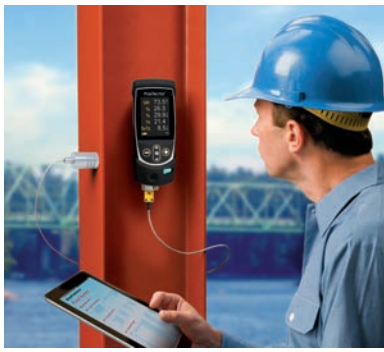
Conforms to ISO 8502-4, BS 7079-B4, ASTM D3276, IMO PSPC, SSPC-PA7 and US Navy NSI 009-32.

***Hot-wire anemometer** with your choice of wind speed measurement units — m/s, km/h, mph, ft/s, ft/m, knots. DPM A models only.*

*PosiTector DPM A shown with **NEW** Auto rotating display with Flip Lock.*

***PosiTector DPM D** includes ½" NPT threads for insertion into pipes (max 200 psi).*

***PosiTector DPM IR probe** includes a non-contact infrared surface temperature sensor.*



***Analyze Readings** using a web browser from anywhere – jobsite or head office.*

Rugged Features...

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	
Infrared Surface Temperature[1]	−70˚ to 380˚ C	± 1˚C + 1%[2]	0.1˚ C
	−94˚ to 716˚ F	± 2˚F + 1%[2]	0.1˚ 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[3]	0 to 20 m/s	± 3% Full Scale + least significant digit	0.1 m/s
	0 to 44 mph		0.1 mph
Dew Point	−60˚ to 80˚ C	± 3˚ C[4]	0.1˚ C
	−76˚ to 175˚ F	± 5.4˚ F‡	0.1˚ F

1. *DPM IR models only*
2. *At 23˚ C (73˚ F) ambient*
3. *DPM A models only*
4. *dependent on RH. See www.defelsko.com/TdAccuracy for more information.*

PosiTector DPM IR Specifications	
Distance to Spot Ratio (D:S)	4:1
Emissivity	Adjustable
Response Time	<500 ms (95% response)

Options

PosiTector Probes
PosiTector body accepts all PosiTector DPM, IRT, 6000, 200, RTR, SPG, SST, SHD, BHI, and UTG probes easily converting from a dew point meter to a coating thickness gage, surface profile gage, soluble salt tester, hardness tester, or ultrasonic wall thickness gage.

Bluetooth™ Printer receives data from Advanced Models

AC Power Kit for continuous operation—works in any country

Additional K-type Sensors for use with the PosiTector DPMS only

Hand-held Surface Temperature Probe
- for spot checking hard-to-reach surfaces

Liquid Temperature Probe
- general purpose probe with stainless steel shaft

PosiTector® *DPM L*

Dew Point Meter Logger

Magnetic probe attaches to steel structures for monitoring climatic conditions

- For use with PosiTector Advanced gage bodies and Apple/Android smart devices
- Environmentally sealed enclosure—meets or exceeds IP65
- Records climatic conditions at user selected time intervals

For more information visit www.defelsko.com/DPML

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Distributed by: Stone Tucker Instruments Inc.

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