PosiTector® *DPM*
Dew Point Meter

IP65

PosiTector®

%RH	65.8↑
Ta	25.6
Ts	26.0
Td	18.7
Ts-Td	7.3

°C

DPM

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.

%RH	73.5↑
Ta	26.5
Ts	29.9↓
Td	21.4
Ts-Td	8.5↓

Select from 5 probe models

Available on the App Store

WiFi

PosiTector® *SmartLink™* Compatible

❈ Bluetooth®

D A T A S E T *

MEASURES	CALCULATES
RH – relative humidity	T_d – dew point temperature
Ta – air temperature	T_S–T_d – the difference between surface and dew point temperatures
Ts – surface temperature	
v – wind velocity	T_W – wet bulb

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
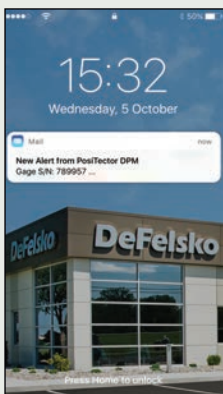
Remote Monitoring with Auto Log Mode

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 Wet Bulb 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...

Sealed USB Port for communicating with a PC or Mac

Weatherproof, dustproof, and shockproof

IP65

2.8" impact resistant color touchscreen display

Auto rotating display with Flip Lock and on-screen help

Ergonomic design with durable rubberized grip

Redesigned keypad for quick navigation

Sealed connector protects probe from water and dust intrusion

Air temperature and humidity sensor

Built-in thermocouple or infrared surface temperature sensor

Display readings

PosiTector®

Ta Ts Td

B1   n638

%RH **31.7**   Ta **24.7**
Ts **24.5**   Td **6.8**
Ts-Td **17.7**

00:00:36   °C

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	
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.

PosiTector®
DeFelsko
The Measure of Quality
PosiTector 6000
Coating Thickness Gage

6000   DPM   RTR   SPG

SST   200   SHD   UTG

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

DeFelsko®
Inspection Instruments

PosiSoft® Suite of Software

Powerful ways to view and report your PosiTector and PosiTest data

PosiSoft Desktop — PC/Mac

Powerful desktop software for downloading, archiving, and reporting measurement data.

- Import readings directly from the gage via USB, WiFi, or legacy PosiSoft Desktop versions
- **Jobs feature** consolidates batches into groups to keep measurement data organized and to quickly create multi-batch reports
- Fully integrates with PosiSoft.net—backup and synchronize jobs, batches, readings, and report templates to the cloud (see inset at right)
- Export readings as .csv (comma separated value) files for easy import into Excel and other spreadsheets
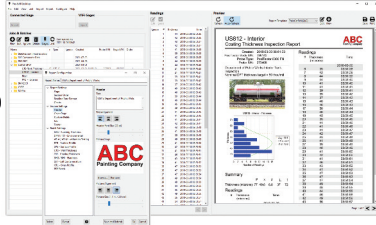
Professional, Custom Reports

- Compile single or multi-batch reports from multiple probes and instrument types
- Add pictures, screen captures, notes, and more with an onscreen live preview
- Instantly create professional reports from pre-formatted report templates
- Design custom layouts and templates—add custom cover pages and logos, and choose to display charts, histograms, and/or individual readings
- Drag-and-drop Custom Fields mode—import PDF forms and overlay fields to automatically populate inspection data
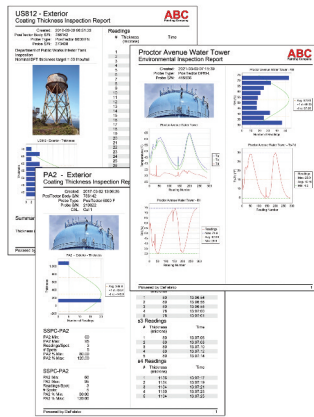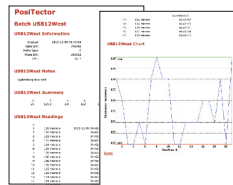
Prompted Batch Mode

Create pre-defined batches with onscreen text and image prompts for each reading and upload to PosiTector 6000, 200, and UTG gages (*Advanced models only*).

- Ideal for ensuring a consistent measurement pattern for repetitive jobs or when specific measurement locations are required

PosiSoft USB Drive — Gage based

A simple gage interface to retrieve data in a manner similar to USB flash drives or cameras. No software to install or internet connection required. Measurement data can be printed quickly from a formatted HTML report or exported in .csv format for further analysis in spreadsheets.

PosiTector App — iOS/Android

Fully-featured mobile app that connects to the PosiTector SmartLink, PosiTector Advanced gages, and the PosiTest AT-A.

- Auto pairing Bluetooth BLE connection
- Add images and notes to individual readings or batches directly from your device
- Email readings as .csv (comma separated value) files for easy import to Excel and other spreadsheets.
- Synchronize readings with PosiSoft.net—backup and synchronize jobs, batches, and readings to the cloud (see inset below)

Mobile Reporting Solution

- Compile single or multi-batch reports from multiple probes and instrument types
- Add pictures, screen captures, notes, and more
- Email pre-formatted or custom reports from your device instantly
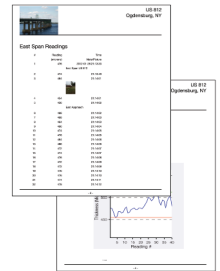
PosiSoft.net

Secure storage of measurement data in the cloud.

compatible with **PosiSoft Desktop and PosiTector App**

- Upload measurement data directly from WiFi-connected PosiTector Advanced gages from anywhere in the world—no software required
- Synchronize and share measurement data across multiple computers

  Ideal for…
  - Users with multiple computers, instruments, and office locations
  - Inspection companies managing data from multiple inspectors

- Login from PosiSoft Desktop to synchronize all measurement data and stored report templates from your account
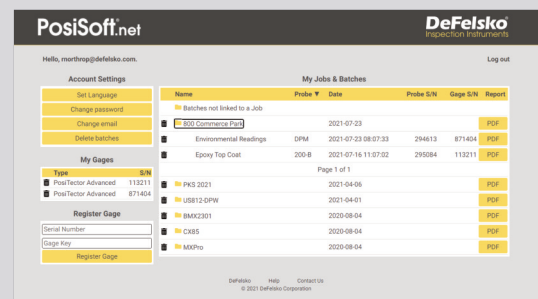
PosiSoft.net Web Viewer Review measurement data and print simple, pre-formatted PDF reports from any web browser—no software installation required.

PosiTector Developer Resources

- Bluetooth 4.0
- WiFi
- Keyboard Mode
- USB Serial

PosiTector and PosiTest AT-A instruments can integrate with third-party software, drones, ROVs, PLCs, and robotic devices using several industry-standard communication protocols including: Bluetooth 4.0, WiFi, Keyboard mode, and USB serial.

DeFelsko®

Made in U.S.A.