DeFelsko®
Inspection Instruments

Order Code		Description
☑	DPMIR1	PosiTector Standard with DPM IR Probe
☐	DPMIR3	PosiTector Advanced with DPM IR Probe

PosiTector® DPM
Dew Point Meter

Compare PosiTector Gage Bodies

Features	Standard	Advanced
NEW Larger 2.8" impact resistant color touchscreen with redesigned keypad for quick menu navigation	●	●
Auto Log mode runs unattended on batteries for up to 50 hours or continuously via USB	●	
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.		●
Two year warranty on body AND probe	●	●
User defined limits for all parameters—visible and audible warnings. Send email alerts when connected to WiFi.		●
Reading Storage Capacity	2,500 datasets	250,000 datasets in up to 1,000 batches
NEW Touchscreen keyboard for quickly renaming batches, adding notes, and more		●
Store thickness, profile, environmental, salt contamination, hardness, and wall thickness measurements in individual batches		●
Wet bulb temperature can be displayed and recorded		●
Trend Charts graph readings in real-time		●
Connection Options		
USB port for fast, simple connection to a PC and to supply continuous power. USB cable included.	●	●
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.		●

PosiTector DPM IR1

PosiTector *DPM IR* includes an infrared surface temperature probe

Removeable Integral Probe	Probe Model DPM	
	Surface Temperature	✓
	Air Temperature	✓
	Wet Bulb Temperature*	—
	Relative Temperature	✓
	Dew Point Temperature	✓
	Surface Temperature minus Dew Point Temperature	✓
	Wind Speed	—

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

PosiTector *DPM IR* Probe measures and records climatic conditions including: Relative humidity, air temperature, surface temperature, dew point temperature and difference between surface and dew point temperatures—plus an infrared surface temperature probe.

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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
- *NEW* On-gage help explains menu items at the touch of a button

Durable

- *NEW* Weatherproof, dustproof, and water-resistant—IP65-rated enclosure
- *NEW* Ergonomic design with durable rubberized grip
- 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
- SmartTrend™ Indicators identify rising, falling or stable readings
- Certificate of Calibration included showing traceability to NIST (Long Form)
- Conforms to national and international standards including ISO and ASTM

Versatile

- Auto Log mode records environmental parameters at user selected time intervals
- *NEW* Auto rotating display with Flip Lock

Powerful

- Hold function freezes the display allowing measurements to be manually recorded
- *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.
- Includes PosiSoft suite of software for viewing and reporting data

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*	−70° to 380° C	± 1° C + 1%**	0.1° C
	−94° to 716° F	± 1.8° F + 1%**	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%
Dew Point	−60° to 80°C	± 3° C†	0.1° C
	−76° to 175° F	± 5.4° F*†	0.1° F

* DPM IR models only
** At = 23° C ambient
† 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 µ (95% Response)
Spectral Response	5.5 – 14 µm

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

Comes complete with PosiTector gage body, DPM IR probe, environmental sensors, protective rubber holster, 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 (2) year warranty.

*SIZE: 127 x 66 x 25.4 mm (5" x 2.6" x 1")   ***WEIGHT:** 137 g (4.9 oz.) without batteries

CONFORMS TO: ISO 8502-4, BS 7079-B4, ASTM D3276, IMO PSPC, SSPC-PA7, and US Navy NSI 009-32
*Size and weight are for the PosiTector gage body only and do not include the probe.
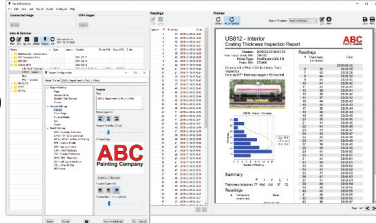
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PosiSoft® Suite of Software

Powerful ways to view and report your PosiTector and PosiTest data
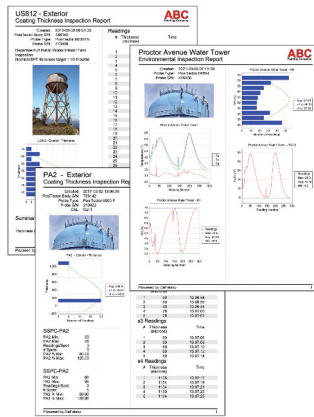
PosiSoft Desktop — PC/Mac

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
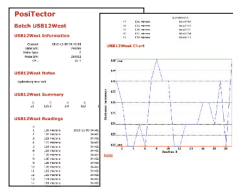
Prompted Batch Mode

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.

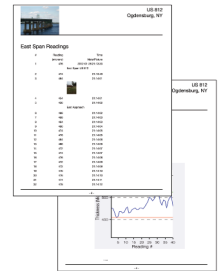### PosiTector App — iOS/Android

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
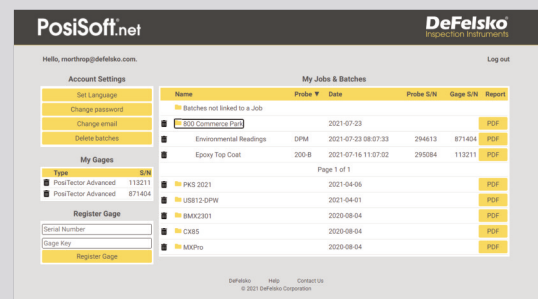
PosiSoft.net

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.

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