## PosiTector® DPM

**Description**

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPMIR1</td>
<td>PosiTector Standard with DPM IR Probe</td>
</tr>
<tr>
<td>DPMIR3</td>
<td>PosiTector Advanced with DPM IR Probe</td>
</tr>
</tbody>
</table>

## PosiTector® DPM Dew Point Meter

### Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Standard</th>
<th>Advanced</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NEW</strong> Larger 2.8” impact resistant color touchscreen with redesigned keypad for quick menu navigation</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Auto Log mode runs unattended on batteries for up to 50 hours or continuously via USB</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Two year warranty on body AND probe</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>User defined limits for all parameters—visible and audible warnings. Send email alerts when connected to WiFi.</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Reading Storage Capacity</td>
<td>2,500 datasets</td>
<td>250,000 datasets in up to 1,000 batches</td>
</tr>
<tr>
<td><strong>NEW</strong> Touchscreen keyboard for quickly renaming batches, adding notes, and more</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Store thickness, profile, environmental, salt contamination, hardness, and wall thickness measurements in individual batches</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Wet bulb temperature can be displayed and recorded</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Trend Charts graph readings in real-time</td>
<td>•</td>
<td></td>
</tr>
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</table>

### Connection Options

<table>
<thead>
<tr>
<th>Option</th>
<th>Standard</th>
<th>Advanced</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB port for fast, simple connection to a PC and to supply continuous power. USB cable included.</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>WiFi technology wirelessly synchronizes with PosiSoft.net and downloads software updates</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td><strong>Bluetooth 4.0 Technology</strong> for data transfer to a mobile device running the PosiTector App or optional portable printer. BLE API available for integration into third-party software.</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>

### Compare PosiTector Gage Bodies

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## Removeable Integral Probe

<table>
<thead>
<tr>
<th>Probe Model DPM</th>
<th>Surface Temperature</th>
<th>Air Temperature</th>
<th>Wet Bulb Temperature*</th>
<th>Relative Temperature</th>
<th>Dew Point Temperature</th>
<th>Surface Temperature minus Dew Point Temperature</th>
<th>Wind Speed</th>
</tr>
</thead>
</table>

*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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technical@defelsko.com • www.defelsko.com

DeFelsko® inspection instruments

Made in U.S.A.
DeFelsko®
Inspection Instruments

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

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**Order Code** | **Description**
---|---
DPMIR1 | PosiTector Standard with DPM IR Probe
DPMIR3 | PosiTector Advanced with DPM IR Probe

### Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Range</th>
<th>Accuracy</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Surface Temperature</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>–40° to 80° C</td>
<td>± 0.5° C</td>
<td>0.1° C</td>
<td></td>
</tr>
<tr>
<td>80° to 190° C</td>
<td>± 1.5° C</td>
<td>0.1° C</td>
<td></td>
</tr>
<tr>
<td>–40° to 175° F</td>
<td>± 1° F</td>
<td>0.1° F</td>
<td></td>
</tr>
<tr>
<td>175° to 375° F</td>
<td>± 3° F</td>
<td>0.1° F</td>
<td></td>
</tr>
<tr>
<td><strong>Infrared Surface Temperature</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>–70° to 380° C</td>
<td>± 1° C + (0.01° C/°C)**</td>
<td>0.1° C</td>
<td></td>
</tr>
<tr>
<td>–94° to 716° F</td>
<td>± 2° F + (0.01° F/°F)**</td>
<td>0.1° F</td>
<td></td>
</tr>
<tr>
<td><strong>Air Temperature</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>–40° to 80° C</td>
<td>± 0.5° C</td>
<td>0.1° C</td>
<td></td>
</tr>
<tr>
<td>–40° to 175° F</td>
<td>± 1° F</td>
<td>0.1° F</td>
<td></td>
</tr>
<tr>
<td><strong>Humidity</strong></td>
<td>0 to 100%</td>
<td>± 3%</td>
<td>0.1%</td>
</tr>
<tr>
<td><strong>Dew Point</strong></td>
<td>–60° to 80°C</td>
<td>± 3° C†</td>
<td>0.1° C</td>
</tr>
<tr>
<td>–76° to 175° F</td>
<td>± 5.4° F†</td>
<td>0.1° F</td>
<td></td>
</tr>
</tbody>
</table>

* DPM IR models only
** At = 23° C ambient
† Dependent on RH. See www.defelsko.com/TdAccuracy for more information.

### PosiTector DPM IR Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Distance to Spot Ratio (D:S)</td>
<td>4:1</td>
<td></td>
</tr>
<tr>
<td>Emissivity</td>
<td>Adjustable</td>
<td></td>
</tr>
<tr>
<td>Response Time</td>
<td>&lt;500 µ (95% Response)</td>
<td></td>
</tr>
<tr>
<td>Spectral Response</td>
<td>5.5 – 14 µm</td>
<td></td>
</tr>
</tbody>
</table>

### 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.

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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/DPMIA/DPMID), 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 7079-84, ASTM D3276, IMO PSPC, SSSC-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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DeFelsko®
Inspection Instruments

Made in U.S.A.
**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

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### 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)

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### 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

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### 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

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### 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

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### 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.

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### 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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**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

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**PosiSoft.net Web Viewer** Review measurement data and print simple, pre-formatted PDF reports from any web browser—no software installation required.

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