QPC Instruments Inc.
Serving the Coatings Industry Since 1983

Measures and records climatic parameters including: Air temperature, surface temperature, relative humidity, dew point temperature and difference between surface and dew point temperatures. Ideal for surface preparation as required by ISO 8502-4.

Simplicity

- Large easy-to-read, LCD display with multilingual support
- Two-button menu-driven user interface
- Quick operating instructions on back of each instrument
- No need to consult complex tables or use a slide rule calculator

Durability

- Rugged, indoor/outdoor instrument is solvent, acid, oil, water and dust resistant.
- Supplied with a genuine leather pouch and shoulder strap
- One year warranty

Accuracy

- Fast response precision sensors provide accurate, repeatable readings with high reliability and long term stability
- Factory calibrated against international standards
- Certificate of Calibration included
- Quick Recovery Feature: built-in heating element removes condensation from probe...always a factor when any instrument is moved from a cold to warm environment
- Conforms to ISO 8502-4

Versatility

- Celsius / Fahrenheit switchable
- Audio and visual alarm indicates when climatic conditions are unsuitable for painting
- Backglow display for dim or dark environments
- Internal memory stores up to 1000 datasets
- Data Logger Mode: automatically records datasets at user selected time intervals. Ideal for unattended operation to record climatic trends

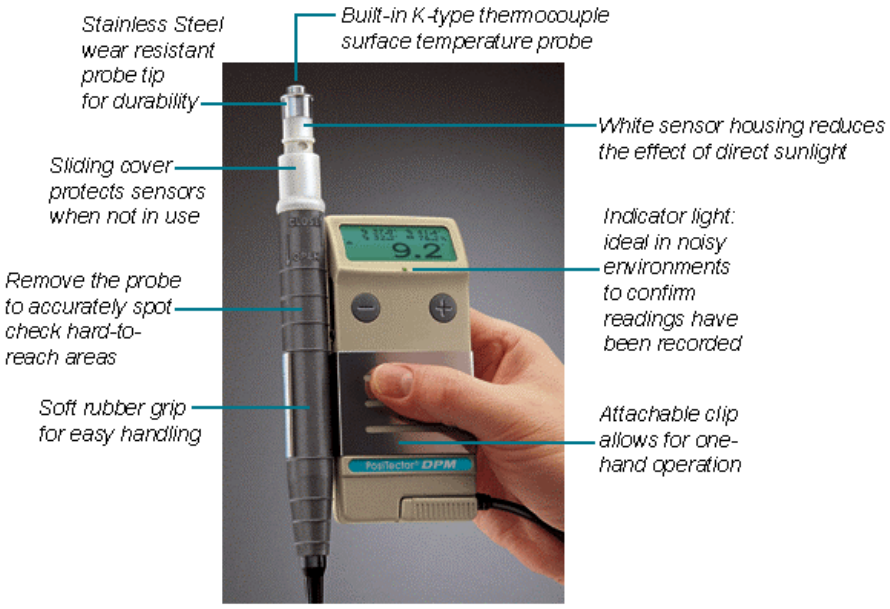
SPECIFICATIONS

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 %

Body: 147 x 61 x 25mm (5.8" x 2.4" x 1")
Probe: 220 x 20mm (8.7" x 0.8")
Weight: 170g (6oz) without batteries

GAGE COMES COMPLETE with 2 AA batteries, instructions, leather pouch, attachable clamp for one hand operation, built-in infrared port for printing to a wireless IR printer, Certificate of Calibration traceable to NIST, one year warranty.

Features:



DATASET

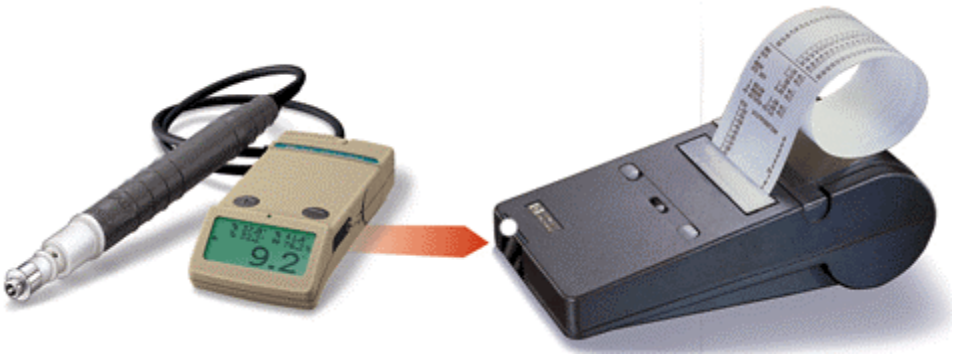
MEASURES
T_a – air temperature
T_s – surface temperature
RH – relative humidity

CALCULATES
T_d – dew point temperature
Δ – the difference between surface and dew point temperatures

Accessories

PosiSoft® for Windows® analysis software

- Allows entry of notes and anotations
- Prints and displays basic Charts and Histograms
- Exports to a document or spreadsheet
- Includes serial cable for printer or computer hook-up
- **HP-IR Printer**



Low cost, battery operated infrared printer receives data from the instrument without connectors or cables.

Questions & Answers

Q. – **Can the dew point probe attach to my *PosiTector 6000* coating thickness gage?**
A. – No. Although the ***PosiTector Dew Point Meter*** shares many of the same features as the ***PosiTector 6000*** and has a similar appearance, probes are not interchangeable. The dew point probe will not work on a ***PosiTector 6000***, and a coating thickness probe will not work on a ***PosiTector Dew Point Meter***.
Q. – **Are there different models of *PosiTector Dew Point Meter* to choose from?**
A. – No. There is only one.
However there are two available accessories; ***PosiSoft*** software and an ***HP IR printer***.
Q. – Why not spend less money on a sling psychrometer, surface thermometer, and weather tables?
A. – The ***PosiTector*** *DPM* is:

- Faster – while these devices take several minutes each to stabilize per measurement, the ***PosiTector Dew Point Meter*** displays all 5 values (a Dataset) in mere seconds.
  - T_a – Air Temperature
  - T_s – Surface Temperature
  - RH – Relative Humidity
  - T_d – Dew Point Temperature
  - Δ - the difference between surface and dew point temperatures
- Simpler – no need for…
  - counting revolutions per second in a timed interval using de-ionized water
  - using a slide-rule calculator
  - waiting minutes for a surface thermometer to stabilize
  - reading analog scales
  - looking up values in a cross reference table
- Easier – one handed design with large LCD
- More accurate – tighter tolerances on all values. Certificate of Calibration with traceability to NIST included.
- Versatile – unlike a sling psychrometer, the ***PosiTector Dew Point Meter*** works well in cold environments. And the handy memory and auto-logging functions make record keeping easy.

Q. – Why choose the *PosiTector Dew Point Meter* over other digital offerings?
A. – Smart design…

- White sensor housing – reduces the effects of direct sunlight and sliding cover protects sensors when instrument is not in use.
- Attachable clip & removable probe allows for one hand operation, or remove the probe to access to hard-to-reach areas.
- For both indoor and outdoor use. Several other instruments warn against outdoor use.
- Rubber grip for comfortable handling with or without gloves.

A new level of confidence…
· Fast response precision sensors provide accurate, repeatable readings with high reliability and long term stability.
· Certificate of Calibration included
· Audio & visual alarm to indicate when climatic conditions are unsuitable for painting
Q. – Can the *PosiTector DPM* record and calculate data on its own?
A. – Yes, the ***PosiTector DPM*** can be operated unattended by automatically selecting time intervals in the Data Logger Mode. All values are constantly updated and with a press of one button, can be held for closer analysis, and stored in memory. This feature is important for recording and evaluating climatic trends.
Q. – **Why is it important to calculate the dew point temperature?**
A. – The dew point temperature is a function of air temperature and the relative humidity. It is the temperature to which a volume of air must be cooled in order to reach saturation.
It is important to calculate the dew point temperature in order to know when conditions are suitable for applying paint.
Q. – **Why is it important to calculate the difference between the surface and dew point temperatures?**
A. – According to ISO 8502-4 standards, the surface temperature should be at least 3°C (5°F) above the dewpoint. By knowing the surface and dew point temperature, it can be established whether or not conditions will be suitable for painting.