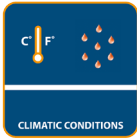


DPM-120

Dewpoint Meter



The DPM-120 is a multi-functional instrument which can be used to measure, record, and analyse the important climatic parameters in the surface treatment of metal substrates: air temperature, surface temperature, relative humidity, dew point. Additional information such as the time and date of readings taken are recorded for future reference. The ergonomic and tough DPM-120 is supplied in a convenient protective carry case.

Accurate temperature and humidity information is important to ensure, for example, that the substrate remains within the advised temperature parameters of the coating system, or to ensure that the substrate temperature remains above the prevailing dew point.

Features

- Large illuminated graphic display
- One-hand operation
- Simple menu-driven user interface
- Extensive data-logging capabilities, readings are time and date stamped and stored on the gauge
- USB-Interface connects the unit to the PC for programming and downloading data.
- To be used as "on the spot" inspectors tool or "stand-alone" data logger
- Heavy duty ergonomic case
- Set limits for each parameter
- Acoustic and visual alarms
- Select Celsius / Fahrenheit
- Automatic trend indicator shows the trend of climatic conditions (rising, falling, stable)
- High-end industrial sensors and built- in probes
- Integrated 'back-up' LED flashlight
- DewLog temperature and humidity monitoring software included
- Two year valid calibration certificate

Complies with International Standards: ISO 8502-4, ASTM D3276-05, BS 7079-B4, NACE RP prop 97.

DPM-120 DEWPOINT METER SPECIFICATIONS - part no. 7861200

Humidity		
• Accuracy		(0...80 °C, 0...176 °F) ± 3 % RH
• Measurement resolution		0.1 %
• Measurement range		0...100 % RH
Temperature Ta (air)		
• Accuracy		± 0.5 °C, ± 1 °F (over the full measurement range)
• Measurement resolution		0.1 °C, 0.1 °F
• Measurement range		- 20...+ 80 °C, - 4...+ 176 °F
Temperature Ts (Surface)		
• Accuracy		± 0.5 °C, ± 1°F (over the full measurement range)
• Measurement resolution		0.1 °C, 0.1 °F
• Measurement range		- 30...+ 60 °C, - 22...+ 140 °F
Temperature Ts (Surface External)		
• Accuracy		± 0.5 °C, ± 1 °F (over the full measurement range)
• Measurement resolution		0.1 °C, 0.1 °F
• Measurement range		- 30...+ 60 °C, - 22...+ 140 °F
Display		
		Graphical presentation with backlight
• Operating temperature range		- 20 °C...60 °C, - 4...+ 140 °
Keys		
• Menu		3
• On / off		1 (electronic)
• LED flashlight		1 (electronic)
Memory		
• Type		Dynamic
• Memory size manual logging		6000 records
• Record content manual logging		time/date, humidity, Ta, Ts, Td, Tdelta, status byte for alarm.
• Memory size interval logging		12000 records
• Record content interval logging		R Humidity, Ta and Ts. Other parameters and date and time are calculated.
• Batches		8 Batches max.
Measurement / Features		
• Limits		Adjustable for each parameter
• Lo-Hi Alarms		Beep sound , symbol in display and RED Led.
• Hold/freeze function		Yes
• Data storage		Two modes: Manual and interval(auto)
• Data recall		Gauge displays average, min/max of each batch. Downloading to PC possible via optional adapter.
• Battery indicator		Yes, detailed.
• Trend indicator		Yes
• User interface		Menudriven through up/down/enter key.
• Languages		4 languages, English, German, French, Spanish
• Extra		Built-in bright white LED orientation flashlight.

Related Literature

LT9000E	AIE Airblast Inspection Equipment - The Guide
LT9130E	Data Sheet - WHM-130 Whirling Hygrometer
LT9140E	Data Sheet - DPC-140 Dewpoint Calculator
MN9120E	Instruction Manual - DPM-120 Dewpoint Meter