

# Moisture Pro Portable Dew Point Meter

**emt**  
Experts in ultrafast SF6  
gas analysis and handling



Accurate & smart survey meter for fast, reliable and accurate moisture determination in dry air, SF6 or alternative gas assets.

High moisture levels in dry air, SF6 or alternative gas assets such as switchgear or breakers can lead to reduced asset life or potential catastrophic failure of the system.

The EMT Moisture Pro enables engineers to perform fast and accurate moisture surveys, to determine if further more detailed gas analysis is required.

An inbuilt pressure sensor also provides extra functionality for engineers to reference check their integrated analogue pressure gauges.

With smart features such as inbuilt 5MP camera, Bluetooth and predictive dew point analysis, the EMT Moisture Pro provides engineers with enhanced capability and efficiency.

## Features

- **Portability** – Lightweight, hand held instrument for greater access & flexibility
- **Sensitivity** – Accurate measurements to -100°C Dewpoint (1ppmV)
- **Flexibility** - 8 hours continuous on one charge
- **Ease of Use** - Intuitive, easy to use touch screen operation
- **Smart Features:**
  - Predictive Dew Point
  - Integrated 5Mpxl Camera
  - Bluetooth Enabled
- **Additional Measurements** – integrated pressure & temperature sensors
- **Enhanced Data Logger** – records test result, operator notes and photos of test points from inbuilt camera

## Benefits

- + Measure Dew point, temperature and pressure on one device to save time on site
- + Hand held, light weight design increases flexibility and ergonomics whilst working
- + Integrated camera to add visual records to your reporting process
- + Large 3.5" backlit colour touch screen with intuitive presentation ensures ease of use
- + Predictive dew point analysis feature reduces time to final result increasing efficiency



**Option:** wireless printer used to print the measurement results on site. Perfect solution for quick audits.

For more information or a demonstration contact [sales@emt.global](mailto:sales@emt.global) or visit [www.emt.global](http://www.emt.global)

# Moisture Pro Portable Dew Point Meter

## Technical Specification

<b>Measuring Range</b>	<b>Standard:</b> -100 ... +20 °C Td	
	<b>Pressure*:</b> 0 ... 1.5 MPa(g)	
	<b>Temperature:</b> -30 ... +50 °C, -22 to 122°F	
<b>Dew Point Sensor</b>	QCM + Polymer	
<b>Temperature Sensor</b>	Pt100	
<b>Pressure Sensor</b>	Piezo resistive type	
<b>Accuracy</b>	<b>Dew point:</b> +/- 1 °C Td (0 ... 20 °C Td) +/- 2 °C Td (-60 ... 0 °C Td / +20 ... +50 °C Td) +/- 3 °C Td (-100 ... -60 °C Td)	
	<b>Temperature:</b> +/- 0.3 °C	
	<b>Pressure:</b> 0.5 % FS	
<b>Measured units (selectable)</b>	°C Td • g/m <sup>3</sup> • mg/m <sup>3</sup> • g/m <sup>3</sup> atm (@zero pressure) • mg/m <sup>3</sup> atm (@zero pressure) • ppmv • g/kg (@ reference pressure) • °C Tdatm (@ zero pressure) • % RH	
<b>Operating Pressure</b>	-1 to 15 Bar (g), -14 to 217psi	
<b>Measured gas (Medium)</b>	SF <sub>6</sub> , Air, CO <sub>2</sub> and N <sub>2</sub>	
<b>Operating Parameters</b>	<b>Medium Temperature:</b> -30 ... +70 °C / <b>Ambient Temperature:</b> 0 ... +40 °C / <b>Ambient Humidity:</b> 0 ... 80 % rH	
	<b>Transport &amp; Storage</b>	<b>Transport Temperature:</b> -30 ... +70 °C <b>Storage Temperature:</b> -20 ... +50 °C
	<b>Weight</b>	3 kg (7lb) (complete set in transport case)
<b>Process Connection</b>	G1/2" for direct sensor connection, Measuring chamber with R21 quick coupling	
<b>Battery</b>	<b>Operating time on one charge:</b> ~8 h / <b>Charging time until full:</b> ~3 h	
	<b>Interface</b>	USB-C (charging and data transfer), wireless printer
<b>Display</b>	3.5" color LCD Touch screen	
<b>Camera</b>	Integrated 5.0 Megapixel	
<b>Logger</b>	Integrated mass storage for 100 Million values	

\*at least 0.3 MPA is needed for the measuring chamber supplied with the instrument. For low pressure measurements below 0.3 MPa please choose the by-pass measuring chamber.

For details of your local EMT distributor, for further information on our products or to request a demonstration please contact us: