Portable Dew Point Meter / Data logger
Precision Dew Point Measurement in a Compact, User-Friendly Design
Model : DPM - 202

INTRODUCTION

The **Portable Dew Point Meter** is an advanced, high-precision instrument meticulously engineered for professionals who demand accurate and reliable measurements of dew point temperature, relative humidity, and ambient temperature with data-logging facility, huge memory space & PC interface software for data analysis. This portable Dew point recorder serving across a variety of environments. Whether you're involved in industrial processes, HVAC system maintenance, environmental monitoring, or quality control, this device delivers exceptional performance with unparalleled ease of use.

Designed with the user in mind, the meter features an ergonomic ABS housing with an anti-slip silicon cover, making it both durable and comfortable to handle. The integrated **3.7 V / 10,000 mAh rechargeable Li-ion battery** ensures extended operation, while the **USB C-type** charging port and data connectivity simplify charging and data transfer processes.

Whether you're on the factory floor, in the field, or in the laboratory, the Portable Dew Point Meter provides the accuracy, reliability, and convenience you need to perform your job effectively.

KEY FEATURES

- ✓ **Wide Measurement Range**: Dew Point from -80 ℃ to +20 ℃, Relative Humidity 0% to 100% RH, Temperature -20 ℃ to +70 ℃.
- ✓ **High Resolution**: 0.01 ℃ / % RH for precise readings.
- ✓ **Intuitive Display**: 2.8" True Colour TFT touch screen for easy operation.
- ✓ **Data Recording:** Huge Logging Memory upto 16 GB
- ✓ **Data Logging**: User-selectable intervals from 1 second to 24 hours.
- ✓ **Connectivity**: USB C-type port for data download via PC software (Sansel-Soft-01).
- ✓ **Alarm Functions**: Audible and visible alarms with user-settable thresholds.
- ✓ **Robust Design**: Durable ABS housing with anti-slip grip and IP40 protection class.
- ✓ **Portable**: Compact dimensions and lightweight design for easy transport.

Why Choose Our Portable Dew Point Meter?

Our Portable Dew Point Meter combines precision, versatility, and user-friendly features in a compact design. With its high-resolution touch screen display, advanced data logging capabilities, and robust construction, it is the ideal choice for professionals who demand accuracy and reliability in their measurements.

Applications

- ❑ **Industrial Drying Processes**: Monitor dew point to ensure optimal drying conditions.
- ❑ **Compressed Air Systems**: Measure dew point to prevent moisture-related issues in pneumatic equipment.
- ❑ **HVAC Systems**: Ensure proper humidity control and prevent condensation.
- ❑ **Environmental Monitoring**: Assess atmospheric moisture conditions for research and weather prediction.
- ❑ **Quality Control**: Maintain consistent environmental conditions in manufacturing and storage facilities.

Technical Specifications

Parameter	Specification
Measurement Range	**Dew Point (Dp):** -80 °C to +20 °C **Relative Humidity (RH):** 0% to 100%RH **Temperature (T):** -20 °C to +70 °C
Resolution	0.01 °C / % RH
Accuracy	± 1 °C at 50…-20 °Ctd ± 2 °C at -20…-50 °Ctd ± 3 °C at -50…-80 °Ctd
Display	2.8" True Colour TFT with Touch Screen
Sensor Supply Output	15 V DC
Display Refresh Rate	1 second (typical)
Data Logging Interval	1 second to 24 Hours (user selectable)
Data download	Via USB C-type to PC software (Sansel-Soft-01)
Alarm	Audible & Visible, user-settable high & low alarms for all parameters
Calibration (1 to 5 points each parameter)	Multipoint Calibration for temperature & humidity
Touch sound	On / Off option available
Integrated battery	3.7 V / 10,000 mAh Inbuilt rechargeable Li-ion battery
Battery charging port	USB C-type
Backlight Time Interval	Adjustable from OFF to 59 mins : 59 secs
Application Environment Range	-10 °C to +60 °C; 0% to 100% RH (non-condensed)
Storage Environment Range	-10 to 45 °C ; 10 to 90% RH
Housing Material	ABS with anti-slip grip silicon cover
Protection Class	IP40
Dimension (L x B x H)	35 x 80 x 165 mm
Weight	Approximately 560 g

Note: Specifications are subject to change without prior notice.

Included Accessories

- **USB C-Type Data Cable**
- **Calibration Certificate**
- **User Manual**
- **Protective Carrying Case**

Optional

- **ISO/IEC 17025 Accredited Calibration Certificate**
- **PC Interface Software**