

Portable / Handheld Hygrometer

Moisture & Dew Point Analyzer : DP - 100



Protects **Personnel, Plant
& Assets**



DP - 100 with datalogger & RS 232

Carry case

SIMPLE TO OPERATE, SELF CONTAINED RELATIVE HUMIDITY METER, A CONVENIENT, EASY TO USE & DEPENDABLE INSTRUMENT, ACCURATE ENOUGH FOR USE AS A REFERENCE METER IN THE LABORATORY

TECHNOLOGY

DP - 100 is a unique miniaturized portable RH & Temperature meter accurate enough for use in the laboratory as a reference reading. Advanced digital technology provides all inclusive accuracy specification & reliability that require no field calibration. It's well proven capacitive CMOS IC sensor technology offer exceptional resistance to common contaminants like organic solvents.

It is ideal for applications like, spot checking of humidity & temperature, quick adjustment of air conditioning & heating systems, checking performance of dryers, detecting cold loops, measuring humidity of poorly accessible ducts, etc.

SPECIAL FEATURES

- Fully interchangeable sensor
- Battery powered digital readout
- 0-100 % RH range & 0 °C to + 100 °C temperature range
- Highly sensitive & accurate
- Long life CMOS IC sensor
- Maintenance free washable sensor
- Low battery indication
- No field calibration required
- Recall feature

APPLICATIONS

- Storage areas
- Computer rooms, clean rooms
- Environmental chambers
- Power plants
- Energy management automation
- Pharmaceutical plants
- Compressed air monitoring
- Process control
- Industrial process
- Air & gas dryers
- Paper & textile mills
- Dehumidification

HNL Systems Pvt. Ltd.

Administrative & Sales Office: 25/N, Laxmi Industrial Estate, New Link Road, Andheri (W), Mumbai – 400 053, India. Tel : +91 22 4295 2180 / 81.

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Battery & sensor probe protection cap

SPECIFICATIONS

Type	Portable / handheld
Features	Measures moisture in air or gases, RH & temperature
Detectable gases / parameters	Humidity / temperature, single sensor, 2 parameters
Electronics / processor	Micro - controller
Power supply	Rechargeable battery with charger
Display	Graphic LCD
Alarm	Audio / visual
Output	RS 232, data logging
Sensor technology	IC capacitive
Range / resolution	Humidity: 0-100 % & temperature: 0 - 100 degree C
Accuracy	± 2 % of saturated salt solution
Response time	Less than 60 sec for wet to dry
Operating temperature	0 - 55 °C
Sampling / input	Diffusion
Housing / case	Plastic
Included accessories	Leather carry case
Optional accessories	Datalogging, RS 232, Flow cap
Applications	Energy management, air & gas dryers
Industries	All industries, computer rooms, labs, textile mills, paper plant paint Industries

OTHER SPECIFICATIONS

Sensor protection	Sintered filter
Repeatability	± 0.1% RH & °C
Hysteresis	± 1% RH
Power	4 X 1.5 V DC drycell batteries
Dimensions	150 x 80 x 30 mm
Pressure range	Max. 30 bar (measurement probe)

Note : Specifications and Features will vary with application. Due to HNL's commitment to research, design and product improvement, specifications are subject to change without notice.

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