

# Portable / Handheld Moisture Meter

Model : DP - 101



Protects Personnel, Plants  
& Assets



**IDEAL FOR PHARMACEUTICAL, PROCESS CONTROL, STORAGE AREAS, POWER PLANTS.**

## TECHNOLOGY

Simple to operate, this self contained relative humidity meter is convenient, easy to use and dependable. It is accurate enough for use as a reference reading in the laboratory. It is ideal for directly measuring moisture in batches of powder, granulate cereals, paper, wood, textile, cotton seeds and other hygroscopic materials, without taking a sample. The probe is directly put in the product. Maintenance free probes to suit different product applications are available. They can be air purged or washed with water for cleaning.

HNL's DP-101 is unique, light and robust miniaturized portable moisture meter, accurate enough for use in the laboratory as a reference reading. Advanced digital technology provides all inclusive accuracy, specification and reliability, unique single adjustment internal circuit, and close tolerance. Integrated circuits and capacitive sensor technology provides one point calibration valid over the full range.

It's well proven capacitive CMOS sensor technology offers exceptional resistance to common contaminants like organic solvents. They don't require clean environment of frequent periodic servicing and are washable too.

The sensor element located in a small chamber at the tip of probe measures moisture. Temperature is also measured. The chamber is protected by an interchangeable dust filter. They are very practical display, to check incoming products or to check moisture during storage. Moisture and temperature with a press of a switch are shown on liquid crystal display.

## SPECIAL FEATURES

- Battery powered digital readout
- 0 - 100 % RH (Relative Humidity) range
- Highly sensitive and accurate
- Long life CMOS IC sensor
- Measurement free washable sensor
- Low battery indication
- One point field calibration

## SPECIAL FEATURES

- Storage areas, computer rooms,
- Environmental chambers, power plants
- Clean roomis, energy management
- Pharceutical plants, compressed air monitoring
- Process control, industrial processes
- Air and gas dryers
- Paper and textile mills

**HNL Systems Pvt. Ltd.**

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**PROBES** (For powder granules or grains, for paper - 420 mm & 280 mm)



## SPECIFICATIONS

Features:	Direct measurement of moisture in substances/solids, maintenance free probes, highly sensitive
Detectable gases / parameters	Humidity
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	0 - 100 % RH
Accuracy	± 2% of saturated salt solution
Response time	Less than 60 sec for wet to dry
Operating temperature	0 to 55 °C
Sampling / input	Diffusion
Housing / case	Aluminium
Included accessories	Leather carry case
Optional accessories	Flow cap, datalogging & RS 232
Applications	Measuring moisture in batches of powder, granulate cereals, paper, wood, textiles, cotton seeds & other hygroscopic materials
Industries	Storage areas, computer rooms, environment rooms, power plants, clean rooms, Energy management, Pharmaceutical plants, textile mills, cement plant, flour mills

## OTHER SPECIFICATIONS

Indication	Digital
Sensor protection	Sintered filter or perforated PVC shield
Repeatability	± 0.5 %
Hysteresis	± 1 %
Dimensions	121 x 77 x 29 mm

*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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