



An ISO 9001:2015 Company

Applied Techno Engineers Pvt. Ltd.

Process Monitoring Instruments

PORTABLE DEW POINT METER MODEL ATS-301D



Portable Handheld Model



Table Top Model



Table Top with Printer Model

DESCRIPTION

Applied portable handheld battery operated Dew Point meter model ATS-301D are designed to measures dew point, Moisture and temperature faster and accurately over a wide measurements range. Model ATS-301D is highly optimized to measure the dew point, moisture and Temperature for dryers and compressed air/gases.

Periodic monitoring of industrial Air systems results in a reduced maintenance cost & down time caused by condensate, the leading cause of corrosion in pneumatic systems.

Air or Gas samples up to 12kg/cm² pressure and temperature up to 99.99°C can be directly measured. For higher temperature applications, a Heat sink tubing can be used. The meter can also be connected to a vacuum pump for sampling from systems at low or atmospheric pressure.

ATS-301D Measures the dew point precisely by utilizing a highly reliable microprocessor based electronic circuit to convert the sensor signal by the use of psychrometrics equations. Assembled in a ABS plastic housing (IP 54), It has sensor manifold with an

SPECIAL FEATURES

- Instant Direct dew point reading
- Multi Parameter Single 128 X 64 LCD Display
- Optional RS 232 Computer Interface & Data Logger
- Embedded software for moisture calculation in PPM
- Dew Point, Moisture, RH & Temperature in one single display
- Robust & Reliably Construction for Industrial Applications
- Over all range -80 deg. C to 30 deg.
- ABS Plastic housing with IP 54
- Samples Pressure Upto 12 Kg/C2M
- Inbuilt Thin film water vapour sensor
- Battery backup upto 10-12 Hrs



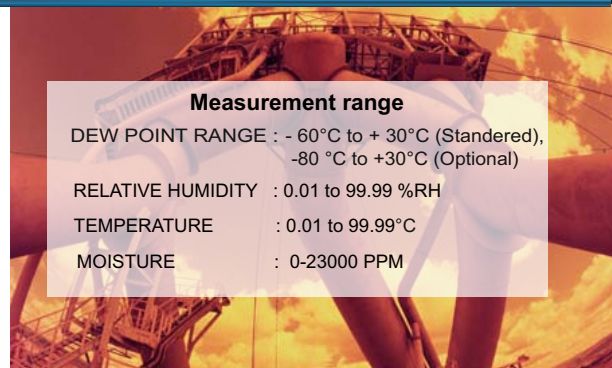
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Applications:

- Dryer & Compressed Air
- Process drying & Laboratory Analysis
- Light bulb manufacturing
- Heat treatment
- Petrochemical / Petroleum industry
- Industrial gas manufacturing



Measurement range

DEW POINT RANGE : - 60°C to + 30°C (Standard),
-80 °C to +30°C (Optional)
RELATIVE HUMIDITY : 0.01 to 99.99 %RH
TEMPERATURE : 0.01 to 99.99°C
MOISTURE : 0-23000 PPM

SPECIFICATIONS

PRINCIPLE	: CAPACITIVE THIN FILM POLYMER
DEW POINT RANGE (Overall)	: - 60°C TO + 30°C (Standard), -80°C to +30°C (Optional)
ACCURACY	: 0° TO + 30°C = +/-1°C, -40°C to 0°C = +/-1.5°C - 80° TO 0°C = +/-2.0°C
MAXIMUM SAMPLE TEMP.	: 99.99°C
MAXIMUM PRESSURE	: 12kg ² /cm
RESPONSE TIME	: 10 SECONDS FOR 63% STEP CHANGE
OPERATING RH	: 0.01% RH to 99.99% RH
DISPLAY	: 128 x 64 GRAPHICS LCD
POWER	: LI-ION RECHARGEABLE BATTERY WITH 10-12 HRS BACKUP
INLET SAMPLE PORT	: 1/4" OD TUBING
DIMENSIONS & HOUSING	: 250 X 130 X 90 mm ABS ENCLOSURE WITH IP65 PROTECTION
WEIGHT	: 450 GRAMS
ACCESSORIES	: 2 METER PVC TUBE FOR SAMPLING,
OPERATING CONDITIONS	
TEMPERATURE	: -5 TO +55 Deg. C
RH	: 0 TO 95% RH
PRESSURE	: 1.01325 BAR
ADDITIONAL FEATURES (OPTIONAL)	
Computer Interface	: RS-232 link for Data in ASCII Delimited Format, 9600 Baud, 8 Bits, 1 Stop, 1 Start, No Parity.
Data Logger	: 32 Kbyte, Non-Volatile Memory

OTHER RANGE OF PRODUCTS

Gas Monitor, Gas Analyser, Gas Transmitters, Moisture Dew Point Analyzer, Continuous Emission Monitoring Systems, Dew Point Transmitters, Gas Sampling Systems & Dust Particulate Monitor

The above Parameter and Ranges are only indicative. Applied will build up and supply the instrument with Parameters, range and features to any Practical Configuration.



Applied Techno Engineers Pvt. Ltd.

Sales & Administration Office:

104, Delta Industrial Estate, Building no.1, Bhoidapada, Ghokivare,
Sativali Road, Vasai(E) Thane Dist-Palghar 401208 Maharashtra, India

Email: info@at-epl.com, sales@at-epl.com, info@appliedtechnosystems.net

+91 8652226750

Website: www.appliedtechnosystems.net