

ADT-420M Dewpoint Transmitter



OEM Dewpoint Sensor with 4-20mA DC output



← 180 mm →

- **-80 to -10/0 °C DEWPOINT**
- **LINEAR 4-20 mA SIGNAL**
- **ALUMINIUM OXIDE SENSOR**
- **FAST RESPONSE**
- **3 WIRE OPERATING SYSTEM**
- **SIMPLE INTERFACE**
- **COMPACT SIZE**

The ADT-420M Transmitter is a 4-20 mA signal for OEM computer or PLC controlled systems comprising of a Al₂O₃ moisture sensor and a DC powered transmitter panel. It is designed for easy integration and connection to a host system using three point connection only. The operating range is a useful -80 to -10/0 °C dp over which it provides a proportional current output to dewpoint change.

The ADT-420 can be directly pipe line installed or, but from maintenance and servicing point of view, it is advisable to install it in a ready to access by pass sampling system.

SPECIFICATIONS

Sensor: Aluminium oxide

Measurement Range: - 80 to -10/0 °C dewpoint

Accuracy: ± 2 °C dp,

Output: 4 - 20 mA DC, 450 ohms max.

Power supply: 16 to 30V DC,

Mounting thread: ¼" BSP or (¼" NPT optional)

Connection: 3 pin, locking DIN connector

Interface:

- Input : + 24 V DC
- Earth
- Output: 4-20 mA DC,

Operating pressure: 10 bar (300 bar optional)

Dimensions: (body) 40 mm Dia. x 115 mm

MOLECULAR CONTROLS LTD

Unit 2 - Commerce Court - Challenge Way
Bradford BD4 8NW - W.Yorks - England
Ph: (44) 01274-667-556 Fax: (44) 01274-667-519
E-mail: sales@molecular-controls.com