

Model EDM-Tx

4-20mA Dewpoint Transmitter - Range 0 to 500ppm(v)

Model EDM-Tx 3-wire 4-20 mA Dewpoint Transmitter uses the long established electrolytic technique to determine the moisture content of gases. Water in the gas sample is absorbed by anhydrous phosphorous pentoxide and the current required to dissociate the water to hydrogen and oxygen is directly proportional to the moisture concentration, according to Faraday's Law.

Fast Response - Stable - Reliable - Accurate - Easy to Install.

Model EDM-Tx can be used in all gases (except ammonia, NH₃, or amines), its greatest strength being its resistance to corrosive gases, such as chlorine and hydrogen chloride.



Measuring instrument conforms with EN 61326

FEATURES

- Fundamental operating principle
- Corrosion resistant
- PVDF version for high concentration of corrosive gases
- European pharmacopeia recommended method

In this latest development interdigitated electrodes are printed onto a ceramic carrier in place of the traditional helical wire windings on glass. Hence, it is much more robust and easier to clean and service.

The sensor is a bayonet fitting in the flow through sample cell, thus simplifying removal for service.

The unique design means that Model EDM-Tx is not as critically flow dependant as earlier types.

Specifications

MODEL EDM-Tx 4-20 mA Electrolytic Moisture Transmitter

Transmitter Type: 3-wire 4-20mA transmitter

Range: 0-500 ppm(v)

Resolution: 0.1 ppm(v)

Lower detection limit: 0.1 ppm(v)

Reproducibility: ±2% at 10 ppm(v)

Output Signal: 4-20 mA, linear (0-10 VDC option available)

Operating voltage: 24 VDC

Status indicator: Colour change LED

Sensor Holder: Stainless steel flow through cell complete with compression fittings for 1/8 in, 1/4 in or 6mm tube. PVDF also available.

Size: 75 x 140 mm

Weight: 0.7 Kg

Cable connection: Binder 680 6-pole socket

Sensor material: Noble metal in PEEK on ceramic carrier

Sample flow: Approximately 20 NI/h, constant.

Max gas pressure: 6bar

How to Order

EDM-Tx - 4 (for 1/4" OD Tube)

EDM-Tx - 8 (for 1/8" OD Tube)

EDM-Tx - 6 (for 6mm OD Tube)

2262 Model EDM-Tx pd130618 - ISS2

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Product specification may be subject to change.

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