

## Dew point Transmitter



### 4-20 mA two-wire Dewpointtransmitter Model LDT

#### Process Dewpointtransmitter

The Model LDT is a „state of the art“ digital dewpoint transmitter. The unit is fully self contained in a stainless steel casing with weatherproof protection making it ideal for use in heavy industrial environments. The model LDT offers a 4-20 mA current loop and a HART interface output.

#### ☺ **Analog Output**

The **LDT-transmitter** supplies a linear 4-20 mA current over the full measurement range.

#### ☺ **Nano - Pore Sensor**

The **LDT-Transmitter** uses a high capacity nano-pore sensor with a very fast response time and high stability.

#### ☺ **Digitaler Signalausgang**

The device utilizes a simple digital protocol driven on an HART interface. The command structure (protocol) allows the user, via software, to obtain the dewpoint, temperature and perform diagnostics. Various ranges are available covering an overall range from  $-110^{\circ}\text{C}$  to  $+20^{\circ}\text{C}$  dewpoint. The Model LDT-transmitter derives its power from 5V – 28 VDC non-isolated power source.

**technical data:****Dewpoint - Sensor**

Typ	Nano - Pore-Sensor, two wire transmitter
<b>Dewpoint range:</b>	
MT-188	-110°C to +20°C DP, or ppmv, ppmw, g H <sub>2</sub> O / m <sup>3</sup>
accuracy	+/- 2°C T <sub>p</sub>
operating temperature	-40°C bis +70°C
response time	+20 °C to -60°C less than 3 min.
sample flow	flow independent but ideal 1 l/min, (at normal pressure)
storage temperature	- 40°C to + 80°C
pressure	Max. 345 bar
calibration intervall	1 year recommend

**Electronic:**

Power	5V bis 28 VDC
analog output	4-20 mA, Digital: HART - Protocol
cable lenght	max. 1000 m
cable terminations	NEMA – 4X

**Mechanical data**

Housing	stainless steel
dimensions	Length: 8,26 cm, Diameter 4,13 cm
process	screw: 3/4" UNF thread, 1/4" NPT