

## DewTrans LC

rH, Dewpoint and Temperature in Gas

### Mouisture Analyzer Serie

Is a highly accurate low cost, dew point mirror hygrometer.

It provides a fast and very accurate Measurement of humidity, dew point and temperature.

The transmitter can be configured as a wall mounting device as well as for pipe mounting - depending on the application.

It is possible for the user to configure the analog outputs (RH, DP or temperature).

The hygrometer provides a very stable, very accurate and repeatable value.

### ☺ User-specific configuration

There are 4 different device types:

- wall mounting
- Pipe mounting
- sample chamber

Options:

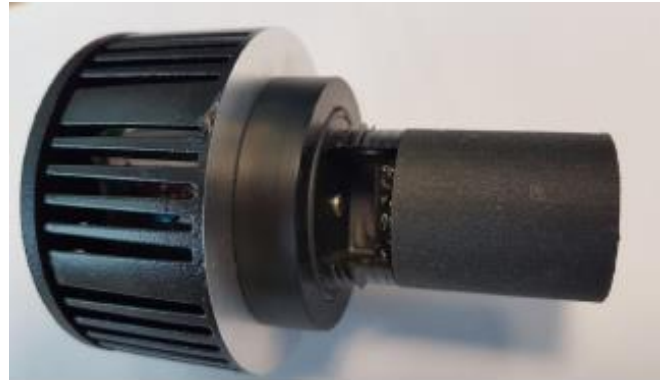
- sample chamber
- Separate temperature sensor
- Higher accuracy +/- 0.1 ° C

### ☺ Sensor

The DewTrans has a wear-free, low-maintenance and reliable dew point mirror that can be used in most harsh environments. It is only necessary a minimum maintenance such as cleaning the mirror.

### ☺ Benefits

- ✓ Compact
- ✓ Inexpensive
- ✓ Direct measuring method for the determination of the dew point
- ✓ Display DP, RH, Temp.
- ✓ Switchable measuring units °C, K,
- ✓ RS 232 Interface
- ✓ Long life sensor
- ✓ Accuracy 0,2°K or 0,1°K Option



### ☺ Installation

The DewTrans can be supplied as a compact unit This sensor is a connecting element between the high-end dew point mirrors and the capacitive humidity sensors.

### Applikation

- Semiconductor Industry
- Gas manufacturer
- Metall industry
- Chemical Industry
- Pharmaceutical industry
- Heat treatment
- Glovebox
- Cleanroom control unit
- Isolatorbox

### Spezifikation

Rang	: DP -20°C bis +95°C bei 20°C T -10°C bis +60°C RH 0 – 95% none condens.
Calibration	: traceable to NIST
Depression	: max. -40°C
Accuracy	: DP +/- 0,2 °C Opt. +/- 0,1 °C T +/- 0,2 °C Opt. +/- 0,1 °C
Resolution	: 0,05°C
Operation Temp.	: -10 - +65°C
Pressure	: 0,1 - 10 bar
Signal output	: 2 x 4 -20 mA/DC
Interface	: RS 232
Alarms	: 2 x Relais NC
Power	: 24 VDC +/- 10% at min 1,5A
Display	: no
Housing	: 120 x 120 x 60 ( B x H x T )
Dimension Sensor	: d=60 mm L=150 mm
Thread	: G 1 ¼"
Weight	: 2,2 kg

### Configuration

#### **DewTrans - x – x – x – x**

W = Wall mounting with Filter (White)  
R = Pipe mounting  
FT = Sample chamber

### Option

SC1SS = Flow chamber  
TR = Temperature sensor with 2m cable  
TW = Temperature sensor directly on housing  
RAB = U- Mounting Bracket

### Example (like picture above)

#### **DewTrans W – TR - RAB**

Dewtrans with directly mounted sensor and filter  
Temperature sensor with 2m cable  
Mounting bracket for wall mounting

Technische Daten auf aktuellem Stand 10/2017, Änderungen vorbehalten.