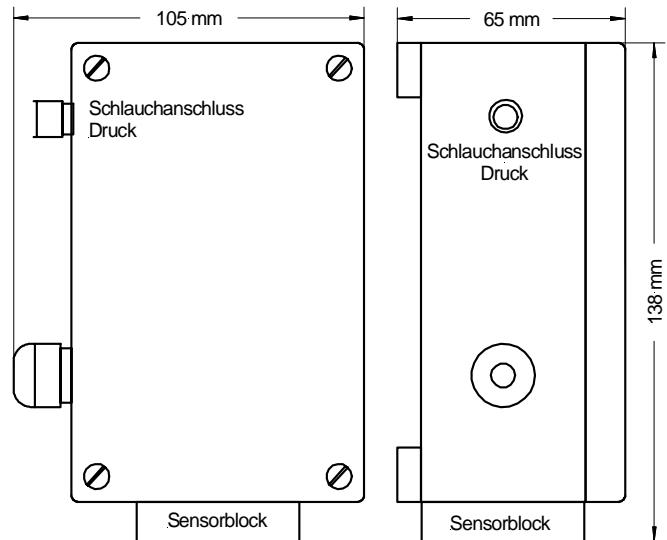




(Picture without pressure connection)



### Features

Measurand	:	Temperature, Relative Humidity, Absolute Pressure Option: Dew point (calculated)
Measuring Range	:	-40 to 120 °C, 0 to 100 % r.H., 0 to 2000 hPa (mbar)
Accuracy	:	± 2 °C (-30 to 80 °C), otherwise ± 3 °C; ± 3 % r.H. (20 to 80 % r.H.), otherwise ± 5 % r.H.; ± 40 hPa (mbar)
Operation Temperature	:	-40 °C to +70 °C
Operation Humidity	:	max. 90 % r. H. (-30 to +60 °C) max. 70 % r. H. (to +60 °C) Please avoid condensation

### Mechanical Data

Dimensions	:	138 mm x 105 mm x 65 mm (Length x Width x Height)
Weight	:	ca. 0.5 kg
Material	:	Aluminium (lacquered) / stainless steel
Enclosure Rating	:	IP 54 (except gas inlet)
Installation	:	Wall mounting
Storage Temperature	:	-20 °C to +60 °C

### Electrical Data

Power Supply	:	24 ± 6 V DC
Power Consumption	:	80 mA / 2 W
Interface	:	- 4-times 4-20 mA (linear), - RS 232/RS485
Max. Load (power interface)	:	500 Ω each
Cable Gland	:	M 16 x 1.5 (diameter of cable 5–9 mm)

### Konformität

EG-Directives	:	CE 2004/108/EEC (EMC)
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## Installation

### Place

: The sensor can be used in diffusion operation, in sampling systems and for measurement in pipes.

In diffusion operation the atmosphere reaches the temperature and humidity sensor through the gas inlet of the sensor block. The pressure sensor is applied with the environmental pressure via the hose gland at the side of the transmitter.

In sampling systems and pipes the measured gas has to be applied by means of flow-through adapter or pipe adapter. Additionally a connection between measuring atmosphere and hose gland has to be established.

### Position

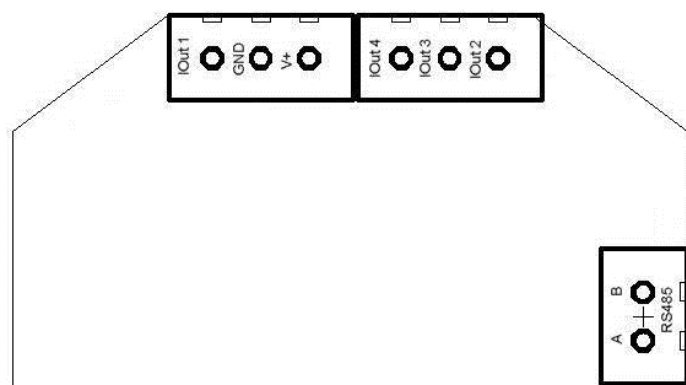
: As per your requirements

### Fixing

: drilling jig as Download on our *ExTox* Homepage

### Terminal Assignment

:



V+      Power supply 24 V  
GND    ground (power supply and current output)  
Iout 1   current output 4-20 mA (not engaged)  
Iout 2   current output 4-20 mA (not engaged)  
Iout 3   current output 4-20 mA (Temperature)  
Iout 4   current output 4-20 mA (Relative Humidity)  
A       RS485/RS232  
B       RS485/RS232

### Line Length

: maximum 1000 m when using *ExTox*-Cable (corresponds to a wire resistance of 9  $\Omega$ )

### Time of stabilisation Use

: ca. 1 min (90%), ca. 30 min (99%)

### Special Influences

: On changing gas compositions the signal of the sensor for humidity and temperature may vary.

### Sensor Lifetime

: depending on operation conditions and gas application (for further information see *ExTox*-Homepage)

### Maintenance

### Intervals

: Regularly according to regulations to be applied, otherwise adapted to the environmental conditions, but minimum once a year.

(Subject to Technical Changes)