

Features

Measured Gas	: Temperature, Relative Humidity Option: Dew point (calculated)
Measuring Range	: -40 to 120 °C, 0 to 100 % r.H.
Accuracy	: ± 2 °C (-30 to 80 °C), otherwise ± 3 °C; ± 3 % r.H. (20 to 80 % r.H.), otherwise ± 5 % r.H.
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 Features

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

Electrical Features

Power Supply	: 24 \pm 6 V DC
Power Consumption	: 80 mA / 2 W
Interface	: - 3 x 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)

Conformity

EC-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.
The atmosphere reaches the temperature and humidity sensor through the gas inlet of the sensor block.
- In sampling systems and pipes the measured gas has to be applied by means of flow-through adapter or pipe adapter.

Position

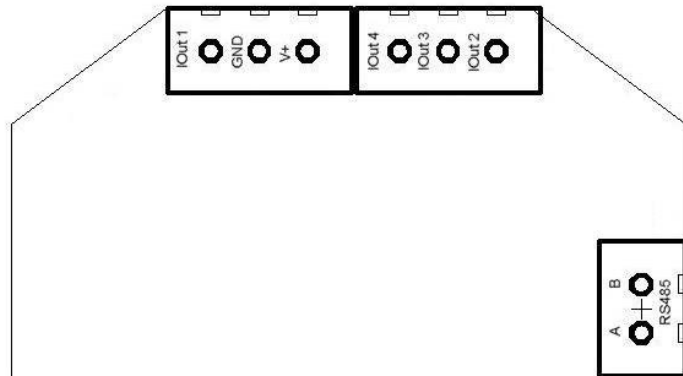
- : As per your requirements

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

- : max 1,000 m when using *ExTox*-Cable
(corresponds to a wire resistance of 9 Ω)
- : approx. 1 min (90%), approx. 30 min (99%)

Time of Stabilisation

Use

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 change)