

# HYGROFLEX1

## THE INEXPENSIVE TRANSMITTER

### INNOVATION IN HUMIDITY AND TEMPERATURE MEASUREMENT

- Measures relative humidity and temperature
- Hygromer® IN-1 humidity sensor
- Adjustable at 35 % / 80 %RH
- Two freely scalable analog voltage or current outputs
- USB service interface
- Small footprint
- Easy mechanical installation

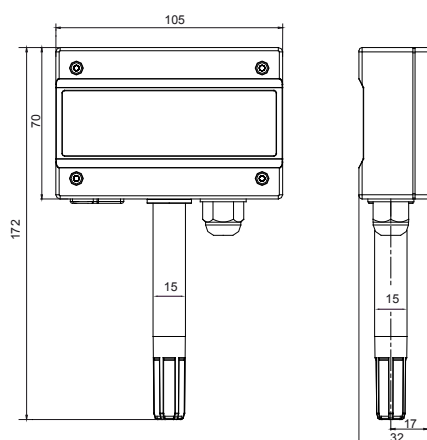


## TECHNICAL INFORMATION

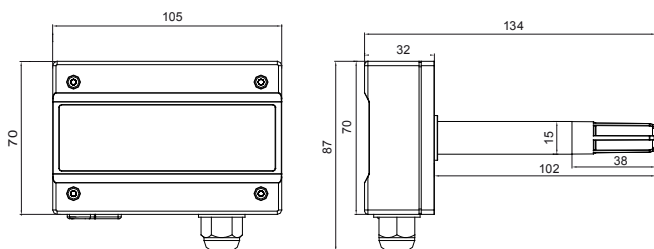
The HygroFlex1 series is the latest development in inexpensive HVAC transmitters for relative humidity and temperature. The devices are equipped with the tried-and-tested Hygromer® IN-1 sensor and boast unbeatable value for money. The optional ROTRONIC HW4 software enables you to change the scale and calibrate and adjust the transmitter.

### Dimensions

Wall version (W)



Duct version (D)



<b>General</b>	
Transmitter type	3 / 4-wire
Supply voltage	12...28 VAC / 15...40 VDC
Current consumption	Transmitter with voltage output: < 15 mA Transmitter with current output: < 55 mA
Parameters	Humidity and/or temperature
Housing material / IP	ABS / IP65
Weight wall and duct versions	Approx. 140 g
Sensors integrated in device	Yes
Operating and measurement range	0...50 °C / 5...95 %RH
CE / EMC compatibility	2004/108/EC
<b>Humidity measurement</b>	
Humidity sensor	ROTRONIC Hygromer® IN-1
Accuracy at 23 °C ±5 K	< 3 %RH (10...90 %RH)
Long-term stability	< 1.5 %RH per year
Response time $\tau_{63}$	30 s (63 % of a jump 35...80 %RH) without filter
<b>Temperature measurement</b>	
Sensor	Thermistor
Standard temperature scale	0...50 °C or 0...100 °F
Accuracy at 23 °C ±5 K	± 0.3 °K (0...50 °C)
Response time	4 s
<b>Outputs</b>	
Number	Two freely scalable analog outputs
Current	4...20 mA
Voltage	0...1/5/10 VDC

Would you like more information?

You can find a complete and up-to-date overview of the HygroFlex1 series on the internet at [www.rotronic.com](http://www.rotronic.com).

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MEASUREMENT SOLUTIONS

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