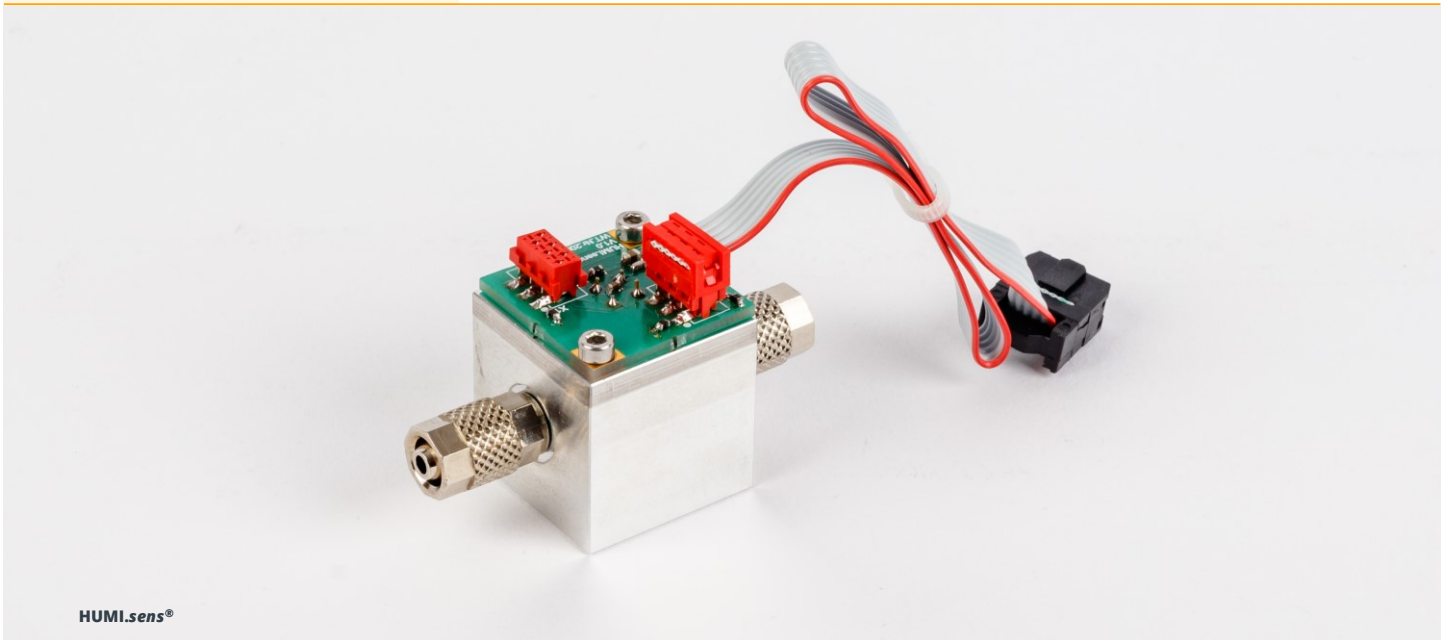


Overview



HUMI.sens®

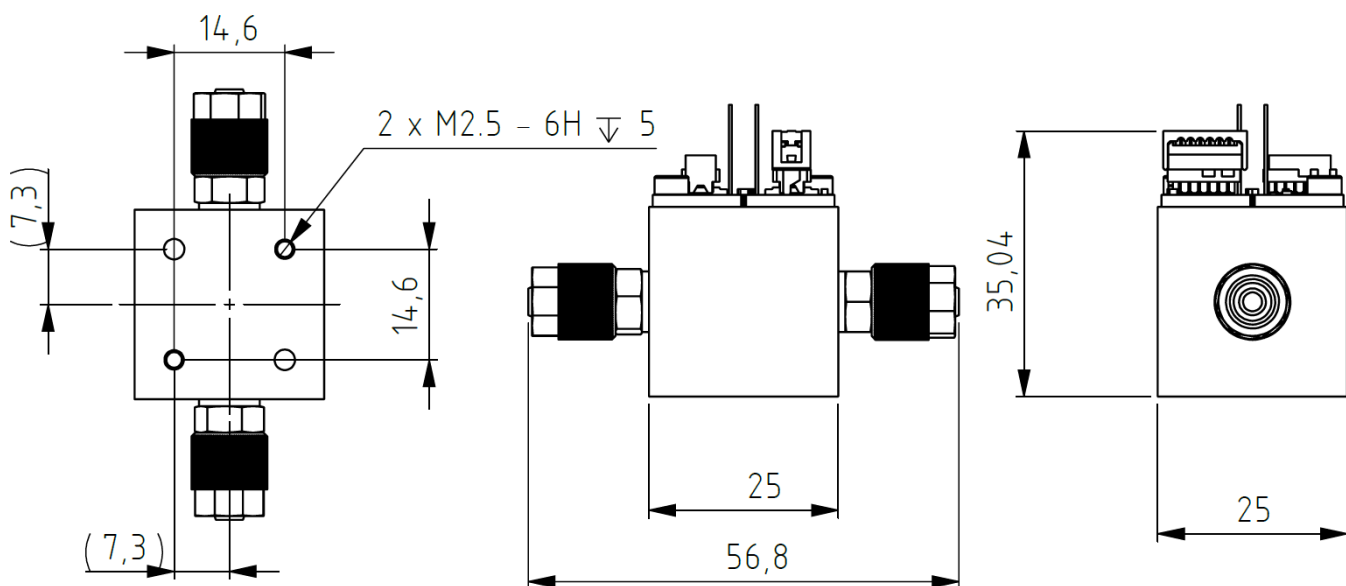
**Applications**

- > compatible with **ULTRA.sens®** **INFRA.sens®** & **KOMBI.sens®** series
- > Detection of humidity to prevent condensation
- > Industrial gas analyzer
- > Exhaust gas monitoring (CEM)
- > Control of gas chiller temperature

**Features & Benefits**

- > build in temperature sensor
- > chemical resistant
- > high accuracy
- > low drift
- > easy to replace (fully calibrated and temperature-compensated)

**Dimensions**



Subject to change without notice. // 2022-02 Rev.01

## Technical Data

General features		
Dimensions [H x W x L]	35.1mm x 25mm x 56.6mm	
Weight	60g	
Tube connector	4/6mm tube	
Measurement range	0 – 100% RH	-40 – 125°C
Medium contact materials	Glas, metal, FKM, polymer with porous humidity-permeable cover, Stainless steel, aluminium	
Measuring response		
Resolution	0.02% RH	+0.015°C
Response time(t <sub>90</sub> )	< 12s <sup>1</sup>	< 12s <sup>1</sup>
Repeatability	± 0.2% RH	± 0.1°C
Accuracy	± 1.8% RH <sup>2</sup>	± 0.2°C <sup>3</sup>
Hystereses	< ± 1% RH	-
Linearity error	< ± 1% RH	0.05% RH/°C <sup>3</sup>
Drift	< 0.5% RH/a	< 0.05°C/a
Climatic conditions <sup>4</sup>		
Operating temperature	-40 – 125 °C	
Storage temperature	-20 – 50 °C	
Air pressure	600 – 1200 hPa (mbar)	
Ambient humidity	0 – 100% RH (not condensing)	

RH relative humidity <sup>1</sup> flow = 1l/min <sup>2</sup> T<sub>A</sub>= 23°C (0 – 90% RH) <sup>3</sup> T<sub>A</sub>= 0 – 60°C <sup>4</sup> please check the climatic conditions of the main module