

MINIATURE AIR VELOCITY TRANSMITTER



GSMU 671

Art. no. 608997

Miniature air velocity transmitter

General:

The GSMU 671 measuring transducer is a compact rod-type flow probe for HVAC applications. The integrated flow sensor is a high-quality thin film sensor element of the latest generation - based on the hot film anemometer principle in combination with state-of-the-art transfer moulding technology.

Application:

- heating, ventilating
- air conditioning technology
- supply air control of ovens

Specifications:

Measuring ranges:	0 ... 20 m/s, others (0 ... 5 m/s, 0 ... 10 m/s, 0 ... 15 m/s) upon request
Output signal:	0 ... 10 V
Accuracy:	+0,4 m/s +6 % of measured value (at 20 °C, 45 % RH, 1013 hPa and 1 ... 20 m/s)
Response time (T₉₀):	typ. 4 s
Power supply:	10 ... 29 V DC
Power consumption:	max. 70 mA (at 20 m/s)
Working conditions:	-20 ... +60 °C, 5 ... 95 % RH (non condensing)
Storage temperature:	-30 ... +60 °C
Connection:	0.5 m cable, PVC, 5 x 0.25 mm ² , wire end ferrule
Housing:	Polycarbonate, length: 130 mm, Ø 12 mm
Protection class:	IP50 (measuring head), IP54 (housing)

Accessories and spare parts:

GNG 24/150

Art. no. 600275

Power supply: 24 V DC, 150 mA

CO₂-TRANSDUCER

MAXALARM

MIN MAX



HIGHLIGHTS:

- excellent long term stability
- auto-calibration procedure
- for surveillance of the recommended CO₂ concentration in ambient air
- output signal free scaleable

GT10-CO2-1R

Art. no. 602599

CO₂-Transducer

General:

Due to the fact, that CO₂ is an important indicator for the quality of air in rooms, it's super important to measure the CO₂ content. The recommended CO₂ limit value for ambient air is 1000 ppm. An exceeding of this limit causes tiredness and a loss of concentration. The high quality and precise CO₂-transducer works according to the infrared principle (NDIR). An auto-calibration procedure compensates aging effects and is responsible for an excellent long term stability of this CO₂ transducer. Due to the freely adjustable output signal the transmitter could be used for nearly each existing controller input etc. Additionally, there is a local display which shows beside the actual CO₂ concentration, the minimum and maximum values as well as an optical alarm.

Specifications:

Measuring ranges:	Standard: 0 ... 2000 ppm CO ₂ (carbon dioxide) Optional: 0 ... 5000 ppm CO ₂ (carbon dioxide)
Measuring principle:	infrared principle (NDIR)
Accuracy:	standard: ±50 ppm ±2 % of meas. value (at 20 °C, 1023 mbar) opt. /5000: ±50 ppm ±3 % of meas. value (at 20 °C, 1023 mbar)
Output signal:	4 ... 20 mA (3-wire), standard 0 ... 1 V or 0 ... 10 V (3-wire), upon upcharge
Output scaling:	free scaleable, by entering display range
Auxiliary energy:	12 ... 30 V DC, max. 600 mA (at option 0 ... 10 V: 18 ... 30 V DC, max. 600 mA)
Permissible burden (at 4 ... 20 mA):	R _k <200 Ω
Perm. load (at 0-...Volt):	R _L >3000 Ω
Display:	approx. 10 mm high, 4-digit LC-display
Working condition:	-10 ... +50 °C, 5 ... 95 % RH, 850 ... 1100 hPa
Storage condition:	-25 ... +60 °C, 5 ... 95 % RH, 700 ... 1100 hPa
Electric connection:	elbow-type plug acc. to EN 175301-803/A (IP65), max. wire cross section: 1.5 mm ² , wire diameter from 4.5 ... 7 mm
Housing:	ABS, 82 x 80 x 55 mm (without elbow-type plug)
Mounting:	with fixing holes for wall mounting
Mounting distance:	70 x 50 mm (W x H)
Fixing screws:	max. shaft-Ø 4 mm
Weight:	approx. 225 g
Features:	min-/max-value memory, optical alarm, input of offset and scale for adjusting

Option:

MB2:

Measuring ranges: 0 ... 5000 ppm CO₂

AV01:

Output signal 0 ... 1 V

AV010:

Output signal 0 ... 10 V

Accessories and spare parts:

GSN 24-750

Art. no. 604387

Plug-in power supply (230 V AC => 24 V DC / 750 mA)