

Air speed transmitters



NEW!



HD29-0-3T-01



HD29-0-3-TC1-2

HIGHLIGHTS:

- For air conditioning HVAC
- For calculation of outdoor air exchange
- For evaluating the frequency of renewal of air
- For airflow duct control
- For actuators (ventilation rate)

other design types upon request

HD29-0-3-T01

Art. no. 609883

Air speed transmitter, sensor length 150 mm

Combined with temperature and humidity, other cable lengths, probe lengths or output 0 ... 10 V upon request

HD29-0-3-TC1-2

Art. no. 609884

Air speed transmitter, sensor length 250 mm, cable length 2 m

Combined with temperature and humidity, other cable lengths, probe lengths or output 0 ... 10 V upon request

General:

The HD29-0-3-T... is employed in the control of air speed in the air conditioning and ventilation (HVAC / BEMS) in the pharmaceutical, museum, clean rooms, ventilation ducts, industrial sectors and households, crowded places, cafeterias, auditoriums, gymnasiums or on farms with large numbers of animals. The sensors in combination with an accurate electronics guarantee precise and reliable measurements in the time.

Common technical specifications:

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Air speed Measuring range:	0.05 ... 1 m/s 0.1 ... 2 m/s 0.20 ... 10 m/s 0.20 ... 20 m/s	The measuring range can be selected by dip-switch.
Air speed Accuracy range 0 ... 1 m/s	±(0.1 m/s +3 % of measurement)	at 50 % RH and 1.013 hPa
range 0 ... 2 m/s	±(0.15 m/s +3 % of measurement)	
range 0 ... 10 m/s	±(0.5 m/s +3 % of measurement)	
range 0 ... 20 m/s	±(0.7 m/s +3 % of measurement)	
Output:	4 ... 20 mA	$R_L < 500 \Omega$
Power supply:	16 ... 40 V DC or 12 ... 24 V AC ±10 %	
Response time (selected by jumper)	0.2 s 2.0 s	Fast Slow
Operating temperature electronics	0 ... +60 °C	
probe	-10 ... +80 °C	
Storage temperature:	-10 ... +70 °C	
Protection class:	IP67	
Sensor working conditions:	Clean air, RH <80 %	
Case dimensions:	80 x 84 x 44	Without probe

Installation notes:

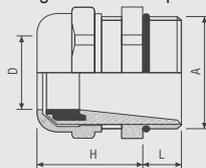
- To fix the probe inside a ventilation duct, a pipe, etc. you can use a PG16-12 metal cable gland (Ø 10 ... 14 mm) or a 3/8" universal biconical connection.
- The transmitters are factory calibrated and no further adjustments are required.
- To select the air speed output range use the dual dip-switch on the board

Accessories:

PG16-12

Art. no. 700081

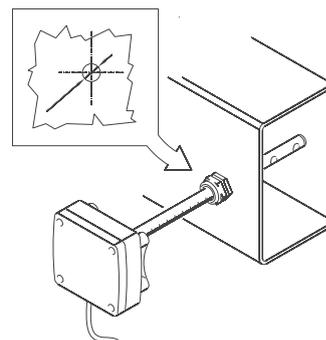
Metal gland PG16 for probes Ø 12 mm



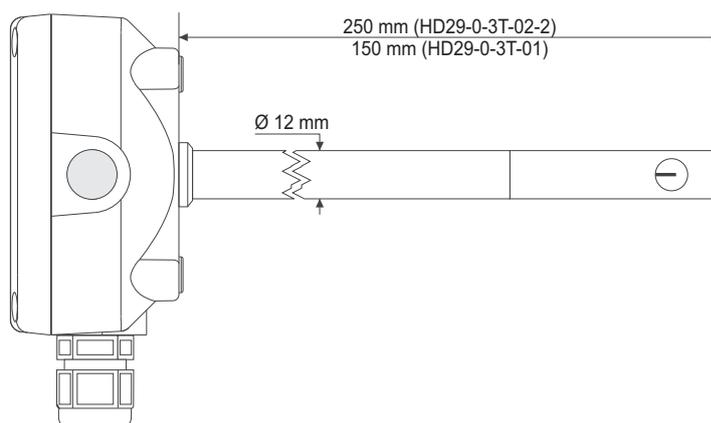
PG16-12 metal cable gland
D = 10 ... 14 mm
L = 6,5 mm
H = 23 mm
A = PG 16



PG16-12



Probe dimensions:



Handheld instrument

Display / Controller

Logger- / Bus systems

Transmitter

Temperature probe

Simulators

Alarm / Protection, Level