

Flow - transmitters

LUFFT flow measurement transducers are designed for exact measurement of air velocity (mass flow rate).

The measurement process is based on the hot-film anemometer principle using specially developed thin film elements.

All the components necessary for evaluation and linearization are built into the housing. In addition to the desired measurement range, the output signal and the response time can also be adapted to the application by simply changing a jumper.

Both duct-mounting and remote sensing versions are available.

The measurement transducers can be supplied with built-in LCD display for on-site indication of the current measurement data.

Typical applications:

Air conditioning and ventilation

Clean room monitoring

Process and environmental technology

Technical data	Ref.No.
transmitter with display	5613.00
transmitter without display	5613.10
transmitter without display	5613.20
transmitter with display	5613.30
construction	housing plastic (ABS)
dimensions	5613.00, 5613.10: 80x80x35mm, shaft length 200mm
	5613.20, 5613.30: 80x80x35mm, shaft 100mm, remote, cable 1m
mounting	5613.30, 5613.20: Remote sensor
	5613.00, 5613.10: Duct
Operating temperature electronics	-10...50°C
Operating temperature sensor	-25...50°C
output signal	0...10V, -1mA < IL < 1mA, or 4...20mA, RL < 450 Ohm (linear, 3-wire technology)
power supply	24VAC/DC ±20%, max. 150mA
protection type	5613.00, 5613.30: IP40
	5613.10, 5613.20: IP65
storage temperature	-30...60°C
weight	300g
flow	
principle	heated thin film layer
measuring range	0 ... 10 m/s
accuracy	±(0.2m/s + 3% of range) (at 20°C, 45% RH, 1013 hPa)
response time (at constant temperature)	typically 4s or 0.2s (settable via jumper,
flow	
principle	heated thin film layer
measuring range	0 ... 15 m/s
accuracy	±(0.2m/s + 3% of range) (at 20°C, 45% RH, 1013 hPa)
response time (at constant temperature)	typically 4s or 0.2s (settable via jumper,
flow	
principle	heated thin film layer
measuring range	0 ... 20 m/s
accuracy	±(0.2m/s + 3% of range) (at 20°C, 45% RH, 1013 hPa)
response time (at constant temperature)	typically 4s or 0.2s (settable via jumper,
Accessories	Ref.No.
mounting flange	5611.MF -



Operates independent of direction
 over a wide range
 easy and inexpensive installation
 low sensitivity to dirt
 high flexibility