

HVAC transmitters

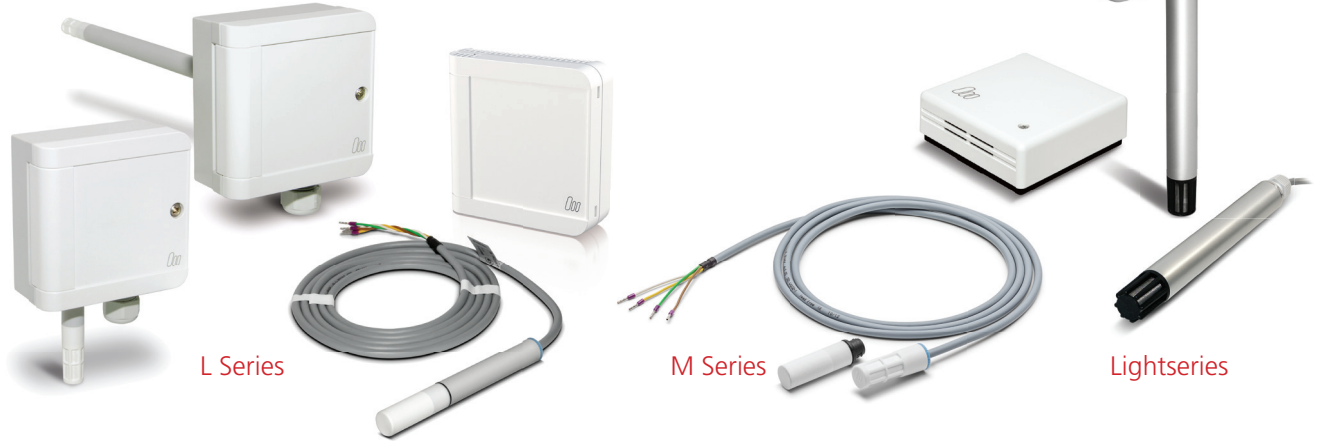
Optimized for HVAC applications and industrial applications with moderate conditions



Version: 17-01-2024

HVAC transmitters

Optimized for HVAC and industrial applications with moderate conditions



Technical data (excerpt)

Relative humidity measurement		
measuring/sensor element	capacitive, Mela®	
measuring range	0...100 %rh	
accuracy at 10...40 °C	±3 %rh	
	±2,5 %rh	M Series
Operating temperature		
sensor element	semiconductor, MELA®	
active output	LM35, LM235	
passive output	Pt100, Pt1000 a. o.	
output range	0 ... + 50 °C 0 ...+100 °C -20 ... + 80 °C -30 ... + 70 °C -40 ... + 60 °C -40 ... + 85 °C	
accuracy at 10...40 °C	±0,5 K	M Series
	±0,8 K	L Series
	± 1 K	Lightseries

Features and benefits

- Operating temperature up to 60 °C or up to 80 °C
- Option: Protection against vibrations
- Option: IP65
- Option: Sealing for increased requirements
- M series is very small
- M series with digital output (similar I²C)
- Lightseries with galvanically isolated current output

Humidity measurement is critical for an optimum indoor climate and energy efficiency in a wide range of HVAC applications and building automation. Careful adjustment of the humidity level can result in considerable savings in energy consumption. Humidity values are relevant for

- energy efficiency
- optimising the cooling efficiency
- wellbeing and good health
- prevent damage due to high humidity

Types	L Series				M Series	Lightseries		
IP65 measuring head with PTFE filter								
operating temperature								
modbus								
galvanic isolation						✓	✓	✓
More information on the productsheet PDF								
	Analogue L series		Digital L series					

