

Carbon Dioxide Transmitter

E2618-CO2



Features

- Designed for HVAC, BA, DCV applications
- Wall mount or duct-mount robust enclosure
- Remote probe option
- Stable dual wavelength high range NDIR sensor
- Two analog outputs settable to 4-20 mA or 0-10 V
- RS485 Modbus RTU digital interface

Specifications

Calibration	Carbon Dioxide CO ₂
Sensing method	long-life optical NDIR sensor
Sampling method	diffusion
Detection ranges	400...5000 ppm CO ₂ 400...10 000 ppm CO ₂ 400...50 000 ppm CO ₂
Resolution	1 ppm CO ₂
Accuracy	± (50 ppm + 2% of value) CO ₂ ± (50 ppm + 3% of value) CO ₂ ± (100 ppm + 5% of value) CO ₂
Signal update	every 15 second
Response time	~60 seconds
Calibration interval	up to 5 years depending on sensor type
Sensor lifetime	> 15 years
Self-diagnostics	full functionality check at start-up
Warm-up time	≤ 1 min
Power supply	11...30 VDC
Power consumption	< 2 W
Digital interface	RS485, Modbus RTU protocol
Analog outputs	2 × 4-20 mA / 0-10 V, user settable
Enclosure	grey ABS plastic, wall mount, protection class IP65
Dimensions	H82 × W80 × D55 mm
Remote sensor probe	Ø28 × L80 mm, protection IP20, cable 2,5 or 5,0 m
Operating environment	industrial locations
Operating conditions	-40...+60 °C, 0...95 %RH

