

2019-04-15

GMD20 Carbon Dioxide Duct Mount Transmitter for Demand Controlled Ventilation Applications



Features/Benefits

- Incorporates the Vaisala CARBOCAP® Sensor – the silicon-based NDIR sensor with unique internal referencing
- Advanced single-beam dual-wavelength measurement with no moving parts
- Superior long-term stability even in buildings with 24/7 occupancy
- Easy installation

Summary:

Duct mount transmitter shall incorporate a silicon-based CARBOCAP® NDIR sensor. Transmitter should not require a separate aspiration assembly, sensor should be in the duct when installed.

Accuracy at 25°C (77°F) shall be $< \pm (2\% \text{ of range} + 2\% \text{ of reading})$. Measurement range of 0...2000 ppm for 0 to 85% RH and -5 to 45°C (23 to 113°F). Can be calibrated and scaled for other ranges: 0-5000 ppm, 0-10,000 ppm, 0-20,000 ppm. Analog outputs must be jumper selectable: 0-20 mA, 4-20 mA, or 0-10V. Nominal power supply 24 VAC/DC (18 ... 30 VDC). Long term stability shall be $< \pm 5\%$ of range /5yrs. Must be capable of calibration check in place using certified gases or a portable meter.

Vaisala Model: GMD20

Vaisala Model: GMD20D (with display and relay)