

GRG5H (A) Intrinsically Mining Safe Ambient/Pipeline carbon dioxide Sensor



Application:

GRG5H (A) carbon dioxide sensor is specially used for online monitoring of carbon dioxide concentration in coal mines, providing reliable monitoring data for evaluating the air quality, ventilation effect and fire warning in mines.

Features:

- ⊙ Extremely low power consumption, suitable for remote monitoring.
- ⊙ Adopt infrared sensor probe, which has long life, high measurement accuracy, and is not affected by other background gases (CH₄, H₂S, SO₂, N₂, O₂, etc.).
- ⊙ Using full range pressure compensation technology, measurement accuracy is not affected by ambient atmospheric pressure and altitude changes.
- ⊙ Adopt easy-to-use and reliable design to completely eliminate reset, crash, disconnection, and large numbers.
- ⊙ Adopt channel clean air intake design, extremely small air chamber volume, excellent anti-dust and water vapor pollution performance.

Technical parameters:

- Rated working voltage: 18VDC
- Rated working current: ≤40mA (18VDC)
- Voltage fluctuation range: (9 ~ 24) VDC (intrinsically safe)
- Measuring range: (0.00 ~ 5.00)%CO₂
- Basic error: (0.00 ~ 0.50)%CO₂ ± 0.10%CO₂
(0.50 ~ 5.00)%CO₂ ± (5% of true value+0.05) %CO₂
- Alarm mode: Sound and light alarm
- Display mode: Four-digit digital tube display
- Display resolution: 0.01%CO₂
- Output signal: Analog: (200 ~ 1000) Hz
Digital: RS485
- Transmission distance: The transmission distance between the sensor and associated equipment is not less than 2000m
- Explosion-proof type: Mine intrinsically safe type (explosion-proof mark: Exia I Ma)