

GFXW20/60 (A) Intrinsically Mining Safe Bidirectional Ventilation Air Flow Rate and Temperature Sensor

Application:

GFXW20/60(A) Intrinsically Mining Safe Bidirectional Ventilation Air Flow Rate and Temperature Sensor is used for monitoring air flow rate, direction, and temperature of underground coal mine ventilation system. The sensor can detect air flow rate from 0.2~20m/s and the direction of flow as well.

Features:

- **Ultra-wide flow rate measure range**
Able to measure flow rate from 0.2~20m/s covering ultra-low, low, and high flow rate with one sensor
- **Multi-functional measure and alert**
Able to measure flow rate, flow direction. Visual and sound alarm when sudden change in flow direction, reverse flow, and no flow, avoiding methane accumulation and outburst.
- **Reliable and robust**
Integrated structure with no loose parts, avoiding interference caused by moisture, dust and mechanical failure



Technical parameters:

- Working temperature: 0℃ ~ 40℃
- Relative humidity: ≤98%(25℃)
- Ambient pressure: 80kPa ~ 116kPa
- Coal mines or other explosive gas and dust environment

| | Measuring range | Deviation |
|---------------|------------------|------------|
| Air flow rate | 0.2m/s ~ 20.0m/s | ≤ ±0.2 m/s |
| Temperature | -10.0℃ ~ 60.0℃ | ≤ ±1.0 °C |

Wind: + Forward -Backward

- Power rating: 18V DC, ≤60mA
- Voltage fluctuation allowance: 9V ~ 24V DC
- Output signal: RS485
- Explosion-proof type: Mining intrinsically safe (Ex-mark: Exia I Ma)

