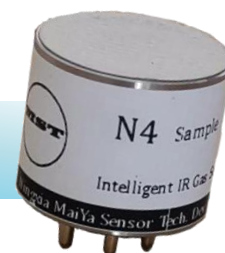


C2H2 Acetylene Sensor

MST-N4 C₂H₂ Datasheet



Application

- ◆ Environmental detection
- ◆ Gas leakage detection
- ◆ On-line monitoring

Advantages& characteristics

- ◆ Quick response and accurate measurement
- ◆ Will not get poisoned
- ◆ Working with no oxygen required
- ◆ More than 5 years lifespan
- ◆ Small size structure

Base Specification

- | | |
|-----------------------|--|
| ◆ Detection gas | C ₂ H ₂ |
| ◆ Working principle | Non-distributed infrared (NDIR) |
| ◆ Measuring range | 0-100%LEL |
| ◆ Accuracy | ±3%LEL |
| ◆ Resolution | 1%LEL |
| ◆ Response time (T90) | <20s (Free diffusion) |
| ◆ Working temperature | -40℃ ~ 70℃ |
| ◆ Storage temperature | -40℃ ~ 70℃ |
| ◆ Working humidity | 0 ~ 98%RH, non-condensing |
| ◆ Preheating time | 1min |
| ◆ Digital output | TTL level |
| ◆ Analog output | 0.4 ~ 2 VDC |
| ◆ Supply voltage | 3.0 ~ 5.5 VDC |
| ◆ Working current | Average < 70 mA @ 3 VDC
Peak value < 140 mA @ 3 VDC |
| ◆ Lifespan | >5 years |
| ◆ Warranty | 1 year |
| ◆ Weight | 21g |

Pin specification

Pin mark	Function	Description
V	Positive electrode of power supply	3.0 - 5.5 VDC
G	Negative terminal of power supply	GND
T	Serial port transmitter	TTL TXD
R	Serial port receiver	TTL RXD
D	Analog output	0 - 0.24V means sensor failure 0.24 - 0.4V means negative drift 0.4-2V corresponds to 0-100% F.S. > 2.0V indicates overrange

Size drawing (unit: mm)

