Electrochemical H2S Sensor for RN400-T2GS

RG10-H2S-50
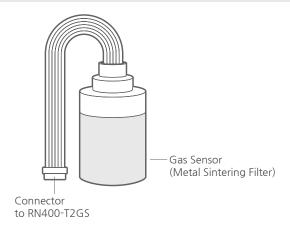
- Real-time H2S density, Temperature transmitter
- Electrochemical H2S gas sensor embedded
- Individual Certificate included
- Only for RN400-T2GS

The RG10-H2S-50 is designed to used with RN400-T2GS model for measuring hydrogen sulfide gas. It is factory calibrated gas sensor that user calibration is not required at all. a whole body would be replaced when the sensitivity goes bad. Individual Certificate is included in the product box. Using UA-Calibration software, RN400-T2GS and gas mixture, a professional customer could calibrate RG10 at zero/span point.
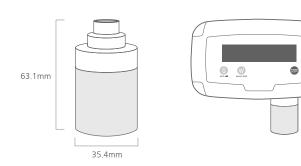
Hardware

Gas Sensor
(Metal Sintering Filter)

Connector
to RN400-T2GS

⚠ CAUTION!

- Volatile organic compounds (VOCs) should be avoided in applications where electrochemical sensors are used because they either dissolve in the electrolyte or adsorb onto the sensor's housing.
- Long term exposures and high concentrations may affect the performance characteristics.
- Sudden changes in humidity cause short-term transient signals.
- Avoid contact with conductors.
- Static electricity can cause distorted values.
- Do not open the housing for calibration.

Dimensions

63.1mm

35.4mm

47.3mm

Contact Information

- www.radionode365.com
- master@dekist.com

RG10-H2S-50 Specifications

Sensor Channel Info.	H2S only
Gas Sensor Type	Electrochemical Cell
Gas Sensor Filter	Metal Sintering filter
Body Material	Stainless Steel
Measurement Range	H2S: 0 ~ 50 ppm
Measurement Unit	H2S: ppm
Measurement Cycle	1 sec
Sensor Resolution	0.1ppm
Sensor Accuracy (Repeatability)	< 2% of measured value
Baseline Drift	Zero ± 0.1 ppm
Long-term Drift	< 2% signal loss / month
Gas Response Time	T90 < 25 secs
Warming-up Time	< 3mins after power-on
Operating Condition	• Temperature: -40 ~ 50°C (-40 ~ 122°F) • Humidity: 15 ~ 90% R.H (non condensing)
Lifetime	More than 12 months @ discontinuous measurement
Cross-Sensitivity	Interfering Gas: CO, H2
Power Consumption	3.3V (Max. 2mW)
Calibration Certificate	Individual Certificate. Calibration with 49ppm H2S calibration gas mixtures
Calibration Method	Two-point Calibration
Output Signal	2 Wire Digital (Only For RN400-T2GS)

Application

• Smart Farm Application

• Industrial safety Monitoring

• Odor Monitoring

Product Components

Model	Component
RG10-H2S-50	• RG10-H2S-50(1EA) • Calibration Certificate(1EA)