



Remote Mount  
H2S Transmitter  
(Explosion-proof)

Signal Conditioner  
in Enclosure

## Model: GASTX-SYS-H2S-EXPL

### Hydrogen Sulfide Gas Analyzer System

This system consists of the RKI Instruments H2S explosion-proof transmitter, to be connected to an intrinsically safe PR Electronics signal conditioner in a NEMA-4X rated enclosure. This offers a cost-effective solution for remote monitoring and alarming for H2S gas.

The outputs are 4-20mA and/or V, with 1 x programmable alarm relay dry contact. Additional features include Bluetooth connectivity to your smartphone or tablet with data-logging, as well as simulation, calibration, and custom scaling.



### H2S Transmitter Specifications:

- Measuring range: 0-100ppm H2S gas
- Explosion-proof Class 1 Div. 1
- Mounting location: Indoor or outdoor
- 3/4" FNPT thread top for mounting or cable gland
- Lower detectable Limit: 2% of full scale
- Accuracy:  $\pm 2$ ppm H2S
- Response time (T-90): 60 seconds
- Life expectancy: 2-3 years with normal servicing
- Max. wire distance to enclosure: approx. 1 mile
- Operating temp: -40 to 104°F (-40 to 40°C)
- Calibration: zero and span

### Enclosure Specifications:

- Dimensions L x W x D: 6.89 x 4.92 x 5.86 inches (175x125x149mm)
- Wall-mount, weatherproof NEMA-4X rated enclosure with clear cover
- Wiring terminals for mA and Relay Outputs
- 3 x Terminal wiring glands on bottom

### Signal Conditioner Specifications:

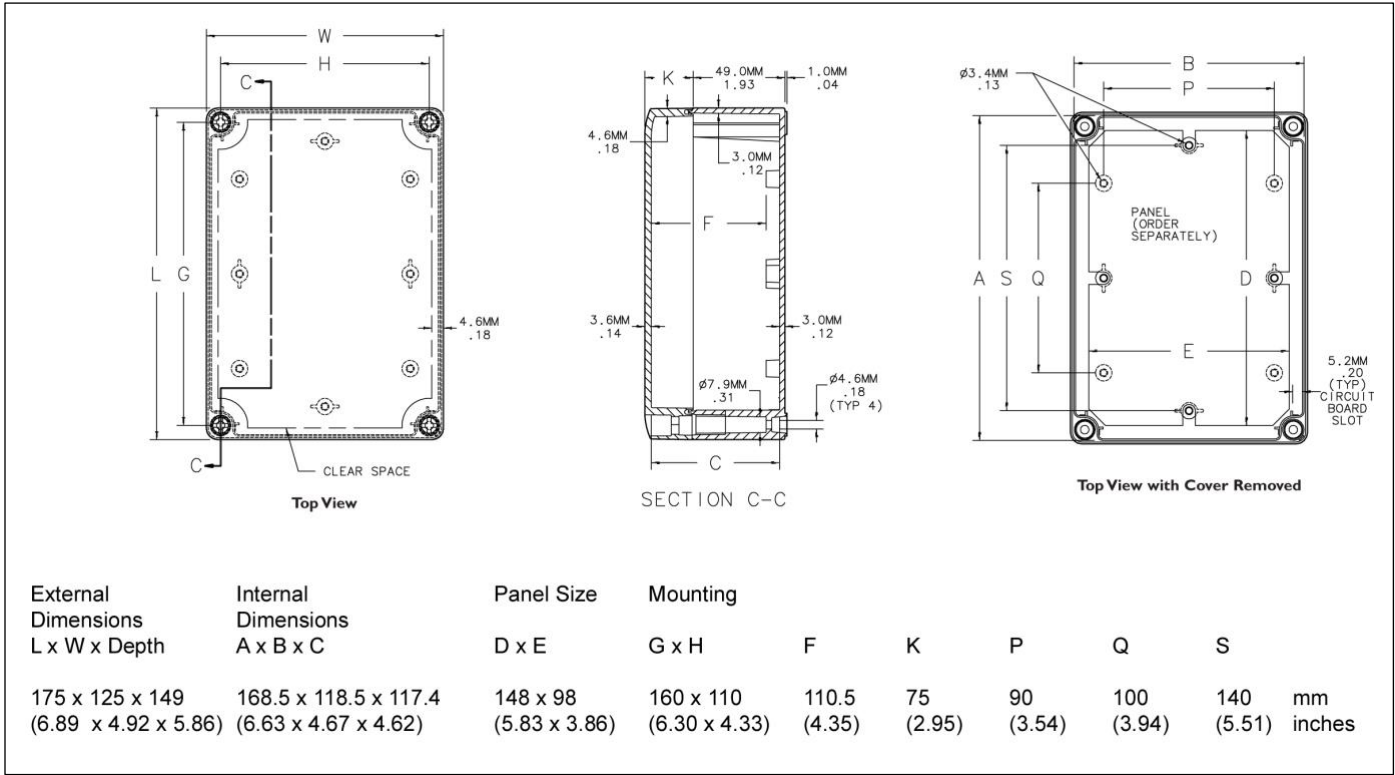
- Large display showing input and output statuses
- Intrinsically safe, Div. 2 area mounting
- Input: Two-wire mA from H2S transmitter
- Output: mA / V, and 1 x dry-contact relays
- Bluetooth connectivity to any smart device
- Data-logging with 2.75 million data points
- Realtime clock with 2-year battery life
- Simulation, calibration and scaling features
- Password protection
- Power supply: 24Vdc, or power rail
- Optional MODBUS RTU output (without Bluetooth)

### Options:

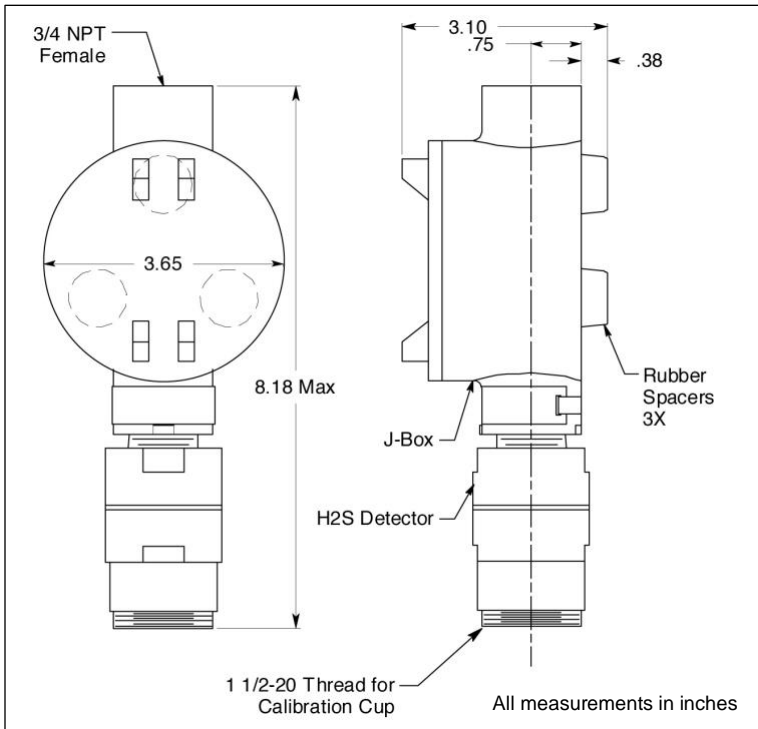
- Wireless signal transmission
- Other gas measurement options: LEL (general purpose or H2 specific), H2, O2, CO, CH4, HC, and CO2
- Toxic gases: Ammonia, Chlorines, Arsine, Hydrogen Cyanide, Phosphine, Sulphur Dioxide



Enclosure Dimensions



H2S Transmitter Dimensions



Accessories:

- Calibration Kit model: 81-5401RK-DLV
- Mounting clips for Transmitter
- Explosion-proof cable gland

