

# Hydrogen Sulfide Transmitter & Sensor

Gas Detection for Life

R65-2424RK-C



## Features

- Water/dust resistant housing
- Sensor and Amplifier
- Long life sensors (2+ years typical)
- Competitively priced
- Compact design

## Applications

- Water & wastewater treatment plants
- Pulp & paper mills
- Gas, telephone & electric utilities
- Parking garages
- Manufacturing facilities
- Loading Docks

The RKI Hydrogen Sulfide transmitter is a highly reliable and very cost effective 4-20 mA transmitter for the detection of Hydrogen Sulfide gases. The electronics are protected inside aluminium cast enclosure to avoid damage from mechanical abuse, water, dust or corrosion. Sensors for H<sub>2</sub>S are long life and typically last 2 - 3 years.

The transmitter operates from 24 VDC (18VDC to 30 VDC), and provides a 4-20 mA signal which. This allows the sensor to be connected directly to the Beacon Controller series. The Hydrogen Sulfide transmitter can be used either indoors or in outdoor areas.

The only tools required to calibrate the low cost H<sub>2</sub>S transmitter are a multimeter, screwdriver, and calibration gas. The zero and calibration functions are performed by adjusting on the amplifier board. The amplifier board has test jacks for the connection of a ammeter for calibration purposes. The sensor response is viewed on the multimeter as a milliamp signal. Field calibration can be performed easily and quickly by one person.

## Specifications:

<b>Sensor Type</b>	Electrochemical	<b>Temperature range</b>	-10°C to 50°C
<b>Measuring range</b>	0 - 100 ppm	<b>Humidity range</b>	0% to 95% non-condensing
<b>Resolution</b>	1ppm	<b>Connections</b>	2 Core, shielded, 1.5 mm
<b>Linearity</b>	± 5% F.S.	<b>Operating Voltage</b>	18 to 30 VDC
<b>Response time</b>	Less than 60 sec to 90% of gas applied	<b>Output</b>	4 – 20mA
<b>Life Expectancy</b>	3 to 5 Years normal service	<b>Maximum Current Draw</b>	24mA (2-wire system)
<b>Dimensions in mm</b>	150 (L) x 64 (H) x 82 (W)	<b>Enclosure</b>	IP66, Powder coated anodised Aluminium

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