

# Models GD-D58 & SD-D58

## Fixed Combustible Gas Detector Head

- Explosion proof design
- CE approved
- Diverse flammable gas vapor detectable
- Long life sensor and sampling pump
- Various sampling accessories
- Plug-in sensor replacement and easy maintenance

### Applications

- LPG, LNG utilities
- Petro-refinery, Petrochemical plants
- Chemical plants
- Iron and steel works
- Engineering, public works
- Power station

### Overview

Our SD-D58 line of smart transmitters feature state-of-the-art explosion proof suction type gas detector with durable flameproof enclosure, best operability and maximum safety, especially in hydrogen/acetylene atmospheres. A simple magnetic control key is placed over clear marked positions on the surface plate to test and adjust the instrument without opening the transmitter in situations with danger of explosion.

This "single-man-calibration" is already in use and appreciated with other RKI gas detectors for easy maintenance. The built-in microprocessor features a self diagnosis functions and automatic zero setting to minimise maintenance work and costs compared to other detectors. Dual alarm contacts or trouble alarm contact are provided for activation of external buzzer or alarm light. Powered by 24VDC, the unit has a 4-20mA output for communication to outside controllers, for external readouts or alarming devices.



Common Specifications		
Model	GD-D58 DC	SD-D58 DC
Detection principle	Catalytic combustion type, New ceramic	
Gas to be detected	Combustible gas	
Detection Method	Sample drawing	
Flow rate	1.0 L/min or more (at maximum suction pressure of 5.0 kPa <gauge pressure>)	1.0 L/min or more (at maximum suction pressure of 5.0 kPa <gauge pressure>)
Power display	POWER lamp on (green)	
Fault alarm /self diagnosis	System abnormality/low flow rate	
Fault alarm display	FAULT lamp on (yellow)	
Fault alarm pattern	Non latching (Auto-reset)	
Transmission system	Sensor direct output	
Transmission cable	CW, etc. (1.25sq) - 6-core	
Power supply	24VDC +/-10%	24VDC +/-10%
Power consumption	Max . 8.6 W	Max. 8 .6 W
Cable connecting port	Pressure proof packing gland (Compatible cables cp12 mm in outer diameter and rubber seals cp12.5 mm in inner diameter <mounted> )	
Tube connecting port	Re 1/8 ( O .Dcp8-1t half-union for Cu tube <BS> supplied or half-union for SUS tube <SUS>)	
Operating temperature	Below 95% RH (Non-condensing)	
Operating humidity	Wall mounting type ( 2B <50A> pipe installation supported), drip-proof and dust-proof performances ( compliant to IP67 level)	
Structure		
Explosion-proof structure	Flame-proof enclosures	
Explosion-proof class	Exd JIB+ H2 T4	
Dimension	Approx. 197 (W) x 286(H) x 140(D) mm ( projection portions excluded)	
Weight	Approx. 5.8 kg	
Outer color	Munsell 7.5BG5/2	

