



# Fixed Type Combustible Gas Detector Head



**GD-D58 series**  
**SD-D58 series**  
**RP-D58 series**

\*RP-D58 is explosion proof pump unit

## APPLICATION

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

## FEATURE

- 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



ISO 9001 95QR-007  
ISO 14001 97ER-005  
TOKYO PLANT • OKEGAWA MANUFACTURING  
DIVISION • HAKODATE FACTORY

**RIKEN KEIKI Co., Ltd.**

## Specification for Indicator/alarm unit

Model	GD-D58 AC	GD-D58 DC	SD-D58 AC	SD-D58 DC
Detection principle	Catalytic combustion type, New ceramic			
Gas to be detected	Combustible gas			
Detection Method	Sample drawing			
Flow rate	1.5 L/min or more (at maximum suction pressure of 5.3 kPa <gauge pressure>)	1.0 L/min or more (at maximum suction pressure of 5.0 kPa <gauge pressure>)	1.5 L/min or more (at maximum suction pressure of 5.3 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	CVV, etc. (1.25sq) – 6-core			
Power supply	100-110VAC +/-10%, 50/60Hz	24VDC +/-10%	100-110VAC +/-10%, 50/60Hz	24VDC +/-10%
Power consumption	Max. 13 VA	Max. 8.6 W	Max. 13 VA	Max. 8.6 W
Cable connecting port	Pressure proof packing gland (Compatible cables φ12 mm in outer diameter and rubber seals φ12.5 mm in inner diameter <mounted>)			
Tube connecting port	Rc 1/8 (O.Dφ8-1t half-union for Cu tube <Bs> supplied or half-union for SUS tube <SUS>)			
Operating temperature	-20 - +53°C (at a constant condition)			
Operating humidity	Below 95% RH (Non-condensing)			
Structure	Wall mounting type (2B <50A> pipe installation supported), drip-proof and dust-proof performances (compliant to IP67 level)			
Explosion-proof structure	Flame-proof enclosures			
Explosion-proof class	Exd IIB + H2 T4			
Dimension	Approx. 197 (W) × 286 (H) × 140 (D) mm (projection portions excluded)			
Weight	Approx. 5.8kg			
Outer color	Munsell 7.5BG5/2			

★ Distributed by:

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