

GAS DETECTOR HEAD

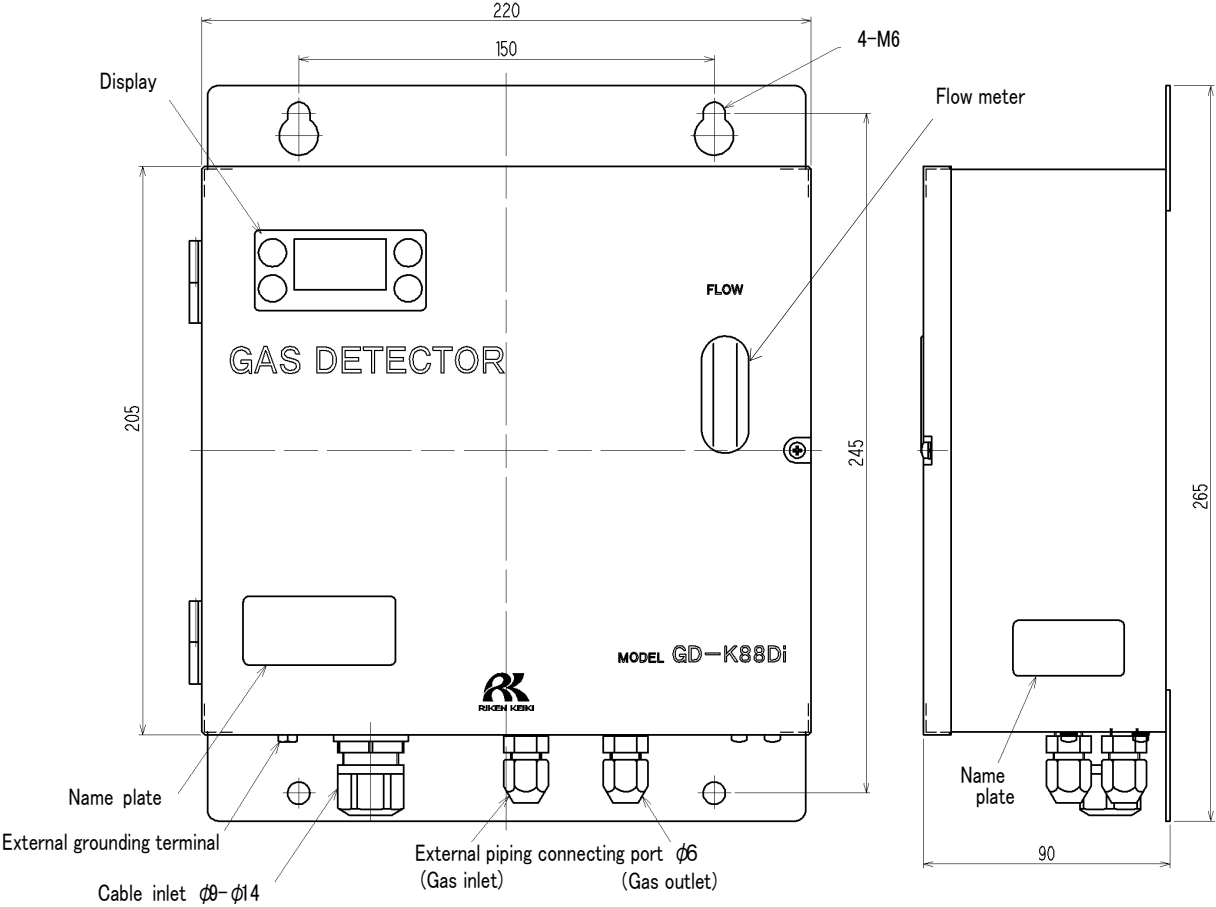
GD-K88Di SPECIFICATION

Model	GD-K88Di
Detection principle	Electrochemical type
Gas to be detected	Toxic gases
Concentration display	7-segment LCD (4 digits)
Detection range	Depends on the gas to be detected
Detection method	Suction method (suction unit is required separately)
Suction flow	0.5L/min \pm 10%
Alarm preset point* ¹	Depend on Detectable gas
Alarm accuracy (under an identical condition)	Within \pm 30% to the alarm setpoint value
Alarm-delay time (under an identical condition)	60 seconds or less (by providing the gas 1.6 times the alarm setpoint (excluding delay in the tube and in the communication))
Gas alarm type	Two-step alarm (H-HH)
Gas alarm indication	A warning message is indicated (AL1/AL2)
Gas alarm action* ¹	Latching or non latching
Trouble alarm*Self diagnosis	System failure/Sensor failure
Trouble alarm indication	content display
Trouble alarm action	Non latching
Transmission method	2-wire analog transmission + digital transmission (HART Communication)
Transmission specifications	4-20mA DC (load resistance: 300 Ω or less)
Communication scheme	HART 7
Power supply	24VDC \pm 10%
Power consumption	Approx. 0.6W
Transmission cable	Shielded cable of CVVS, etc. (1.25mm ²) - 2-core
Transmission distance	Up to 1km with CVVS 1.25mm ² (up to 600m between the detector head and Zener Barrier)
Safety maintaining device* ²	Zener Barrier (MTL7728ac/MTL7728+/MTL7728-) or insulating barrier (MTL5541/RN221N-J1/KFD2-STC4-Ex1)
Piping port	Gas inlet/Gas outlet: Rc1/4 (O.D ϕ 6-1t. half-union for PTFE tube <PP> supplied)
Operating temperature	0°C to +40°C (non-rapidly-vary)
Operating humidity	30 to 70%RH (non-condensing)
Structure	Wall mounted type
Explosion-proof structure	Intrinsically safe explosion-proof structure, with safety maintaining device (barrier) used
Explosion-proof class	Ex ia IIC T4 Ga
External dimensions	Approx. 220 (W) x 265 (H) x 90 (D) mm (projection portions excluded)
Weight	Approx. 2.6kg
Material* ¹	SECC or SUS304
Paint	Bake-coated with melamine
Outer color	Munsell 2.5Y9/2

*1 Please specify your request when ordering.

*2 Recommended item

Outline Drawings



Terminal Drawings

