

TOXIC GAS DETECTOR

Model GD-K88 series



HART
COMMUNICATION FOUNDATION

(Pending)



<Diffusion type>
Model:GD-K88Ai(Toxic)



<Aspiration type>
Model:GD-K88Di(Toxic)

- 2-wire system gas detector
(Power supply and Analog transmission
(4-20mA) becomes 2-wire)
(Direct input to DCS)
- HART Communication
(Pending)
- Intrinsically safety
(By using as exclusive zener barrier)
- Built-in aspirator(Optional)
- Corrosive gas protection
structure
(SUS material body in available to the option)

Product Specifications

	GD-K88Ai	GD-K88Di
Detection method	Diffusion type	Aspiration type(need to separately apply sampling pump)
Gas to be detected	Toxic gases	
Concentration display	7-segment LCD (4 digits)	
Transmission method	2-wire analog transmission	
Transmission specifications	Analog transmission scheme: 4 - 20 mA DC (load resistance: 300 Ω or less) Digital transmission scheme : HART Communication (Pending)	
Power supply	15 - 27 VDC	
Transmission cable	Shielded cable of CVVS, etc. (1.25 sq) - 2-core	
Transmission distance	Up to 1 km with CVVS 1.25 sq (up to 600 m between the detector head and Zener Barrier)	
Safety maintaining device ^{*1}	Zener Barrier (MTL728ac/MTL728+/MTL728-) or insulating barrier (MTL5541/RN-221N-EJ/KFD2-SCD-EX1.LK)	
Operating temperature	0 - 40° C	
Operating humidities	30 - 70%RH (Non-condensing.)	
Structure	Box type/Wall mounted type	
Explosion-proof structure	Intrinsically safe explosion-proof structure, with safety maintaining device (barrier) used	
Explosion-proof class	ExialICT4	
Explosion-proof certification number	TC20741(TIIS in japan)	
External dimensions	Approx. 100 (W) x 241 (H) x 48 (D) mm (projection portions excluded)	Approx. 180(W) x 265(H) x 66(D)mm (projection portions excluded)
Weight	Approx. 1.0 kg	Approx. 2.2 kg

Dimensions

