JDA-50 Series

SMART –Gas Detector

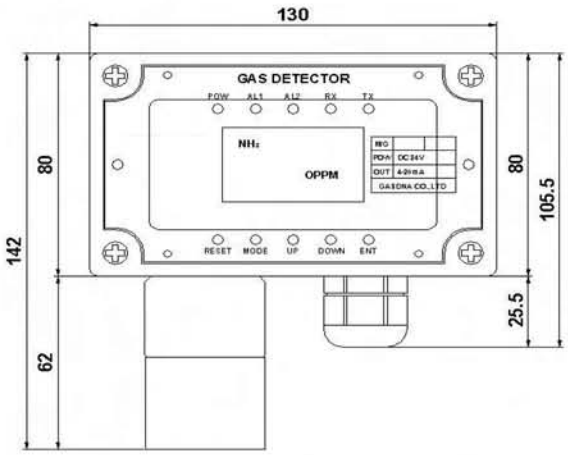
Specific Features

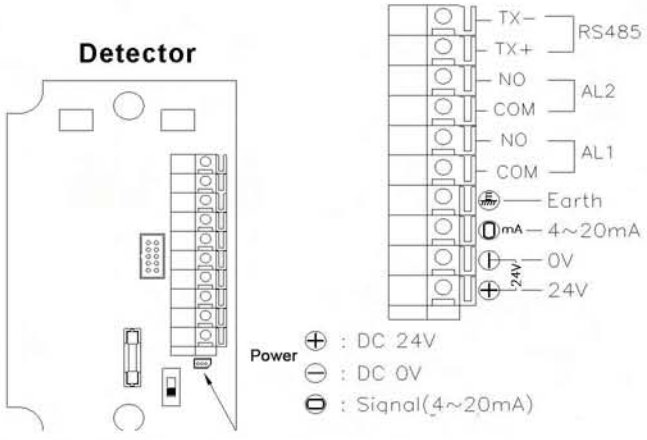
- **Digital Process**
  Wide range of artificial intelligence is embodied through the digital process based on micro processor and gas may be more conveniently, accurately, and efficiently detected.
- **LCD Display With Back-Light**
  Detected level is shown in LCD at real time for prompt identification of level even in dark environment.
- **User Selection Menu**
  The user may choose calibrated gas level, detection range, alarm relay, and communication method with use of micro processor.
- **Signal-Output**
  The signals are smoothly transmitted by various methods including DC 4-20mA, 2step_relay contact, and Rs-485.
- Anti-Corrosion Type
  JDA-50 series are anti corrosion type with polycarbonate housing.
  these detector can be installed in corrosive area and continuously detect oxygen & toxic gas

Specification

Item	JDA-50.Series
Detection Mechanism	Catalytic,Electro-Chemical, NDIR:Non-Dispersive Infrared,PID(Photoionization)
Detection Type	Diffusion Type
Input Power	DC 20 ~ 30V
Accuracy	≤2% /full scale
Output Signal	4 ~ 20mA / full scale – maximum 2.5km long signal transmission
Level Display	LCD display - PPM, %LEL, or %
Warning Display	AL1,AL2-LED Display
Signal Output	4-20mA, RS-485
Relay Output	2Step-Relay(AL1,AL2)
Signal Cable	Cvvs &Cvvsb 1.25SQ*3Wire-Shild Type
Operation Temperature and Humidity	-20℃~50℃, 5~95% RH (non-condensing)

Dimension





Acetaldehyde	CH_3CHO	0~500 ppm	JDA-50-CH_3CHO
Ammonia	NH_3	0~100 ppm	JDA-50-NH_3
Arsine	AsH_3	0~1.00 ppm	JDA-50-AsH_3
Arsenic Trichloride	$AsCl_3$	0~1.00 ppm	JDA-50-$AsCl_3$
Arsenic Trifluoride	AsF_3	0~10.0 ppm	JDA-50-AsF_3
Arsenic Pentafluoride	AsF_5	0~10.0 ppm	JDA-50-AsF_5
Boron Trichloride	BCl_3	0~15.0 ppm	JDA-50-BCl_3
Boron Tribromine	BBr_3	0~15.0 ppm	JDA-50-BBr_3
Boron Trifluoride	BF_3	0~10.0 ppm	JDA-50-BF_3
Butanethiol	C_4H_9SH	0~10.0 ppm	JDA-50-C_4H_9SH
Carbonyl Fluoride	COF_2	0~10.0 ppm	JDA-50-COF_2
Carbon Dioxide	CO_2	0~5000 ppm	JDA-50-LCO_2
Carbon Dioxide	CO_2	0~5.00 %	JDA-50-MCO_2
Carbon Dioxide	CO_2	0~100 %	JDA-50-HCO_2
Carbon Monoxide	CO	0~500 ppm	JDA-50-CO
Carbon Tetrachloride	CCl_4	0~30.0 ppm	JDA-50-CCl_4
Chlorine	Cl_2	0~10.0 ppm	JDA-50-Cl_2
Chlorine Dioxide	CLO_2	0~2.00 ppm	JDA-50-CLO_2
Chlorine Trifluoride	CLF_3	0~2.00 ppm	JDA-50-CLF_3
Diborane	B_2H_6	0~1.00 ppm	JDA-50-B_2H_6
Dichlorosilane	SiH_4Cl_2	0~10.0 ppm	JDA-50-SiH_4Cl_2
Disulfur Decafluoride	S_2F_{10}	0~10.0 ppm	JDA-50-S_2F_{10}
Disulfur Dichloride	S_2Cl_2	0~10.0 ppm	JDA-50-S_2Cl_2
Flourine	F_2	0~10.0 ppm	JDA-50-F_2
Formic Acid	HCOOH	0~500 ppm	JDA-50-HCOOH
Germane	GeH_4	0~1.00 ppm	JDA-50-GeH_4
Germanium Chloride	$GeCl_4$	0~10.0 ppm	JDA-50-$GeCl_4$
Hydrazine	N_2H_4	0~10.0 ppm	JDA-50-N_2H_4
Hydrogen	H_2	0~2000 ppm	JDA-50-H_2
Hydrogen Bromide	HBr	0~10.0 ppm	JDA-50-HBr
Hydrogen Chloride	HCl	0~10.0 ppm	JDA-50-HCl
Hydrogen Cyanide	HCN	0~50.0 ppm	JDA-50-HCN
Hydrogen Fluoride	HF	0~10.0 ppm	JDA-50-HF
Hydrogen Sulfide	H_2S	0~100 ppm	JDA-50-H_2S
Iodine[2]	I_2	0~10.0 ppm	JDA-50-I_2
Isopropanol[2]	$(CH_3)_2CHOH$	0~500 ppm	JDA-50-$(CH_3)_2CHOH$
Methanol[2]	CH_3OH	0~500 ppm	JDA-50-CH_3OH
Nitric Oxide	NO	0~100 ppm	JDA-50-NO

Nitrogen Dioxide	No_2	0~20.0 ppm	JDA-50-No_2
Nitrogen Trifuoride	NF_3	0~30.0 ppm	JDA-50-NF_3
Oxygen	O_2	0~30 % vol	JDA-50-O_2
Ozone	O_3	0~1.00 ppm	JDA-50-O_3
Phosgene	$COCl_2$	0~5.00 ppm	JDA-50-$COCl_2$
Phosphine	PH_3	0~1.00 ppm	JDA-50-PH_3
Phosphorus Trichloride	PCl_3	0~15.0 ppm	JDA-50-PCl_3
Phosphorous	PCl_5	0~15.0 ppm	JDA-50-PCl_5
Phosphoryl Chloride	$POCl_3$	0~10.0 ppm	JDA-50-$POCl_3$
Silane	SiH_4	0~20.0 ppm	JDA-50-SiH_4
Silicon Tetrachloride	$SiCl_4$	0~10.0 ppm	JDA-50-$SiCl_4$
Stibin[2]	SbH_3	0~1.00 ppm	JDA-50-SbH_3
Sulfur Dioxide	SO_2	0~20.0 ppm	JDA-50-SO_2
Sulfuryl Fluoride[2]	SO_2F_2	0~10.0 ppm	JDA-50-SO_2F_2
Sulfur Tetrafluoride	SF_4	0~9.00 ppm	JDA-50-SF_4
Trichlorosilane	$SiHCl_3$	0~15.0 ppm	JDA-50-$SiHCl_3$
Thiophene	C_4H_4S	0~50.0 ppm	JDA-50-C_4H_4S
Tin Tetrabromide	$SnBr_4$	0~10.0 ppm	JDA-50-$SnBr_4$
Tin Tetrachloride	$SnCl_4$	0~30.0 ppm	JDA-50-$SnCl_4$
Tin Tetrafluoride	SnF_4	0~10.0 ppm	JDA-50-SnF_4
Titanium Tetrachloride	$TiCl_4$	0~10.0 ppm	JDA-50-$TiCl_4$
Trichlorosilane	$SiHCl_3$	0~10.0 ppm	JDA-50-$SiHCl_3$
Trichlortriazine	$C_3Cl_3N_3$	0~10.0 ppm	JDA-50-$C_3Cl_3N_3$
Trifluorotriazine	$C_3F_3N_3$	0~10.0 ppm	JDA-50-$C_3F_3N_3$