KCD-21

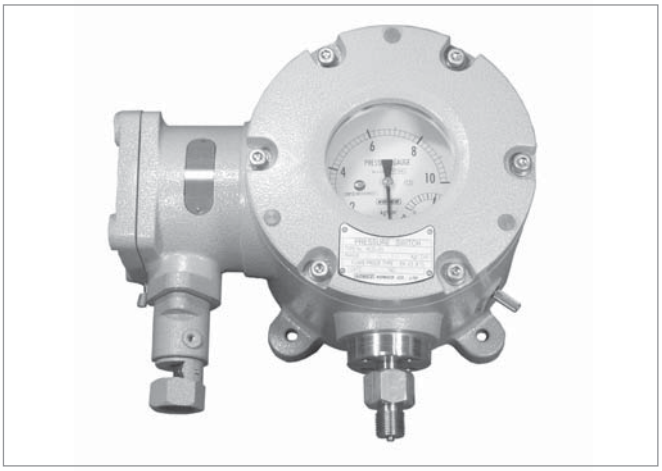
Explosion - Protected Pressure Switch

With the rapid progress of chemical technology, the kind or amount of dangerous materials treated in factories has remarkably increased. At the same time, the manufacturing process has been using higher temperatures, higher pressures and higher speeds. Consequently, dangerous situations tend to increase more and more in the various fields of industries, especially in the chemical industry. Pressure switches and differential pressure switches of flameproof type are designed and manufactured with due consideration to safety.

Specifications

Model		Switching Contact	Process Connection	Outlet for Electric wire	Material of wetted parts
KCD21 With Indicator	11	1	PF1/2"	Conduit PF3/4	316.St.St.
	12	2			
	21	1		Press-Resistant Packing Type	
	22	2			

Fluid	Case Type Material Finishing	Adjustment	Weight (kg)
Gas	For outdoor Al-alloy casting *Gray	External adjustment (Set point rocking system)	11
Liquid			11.25

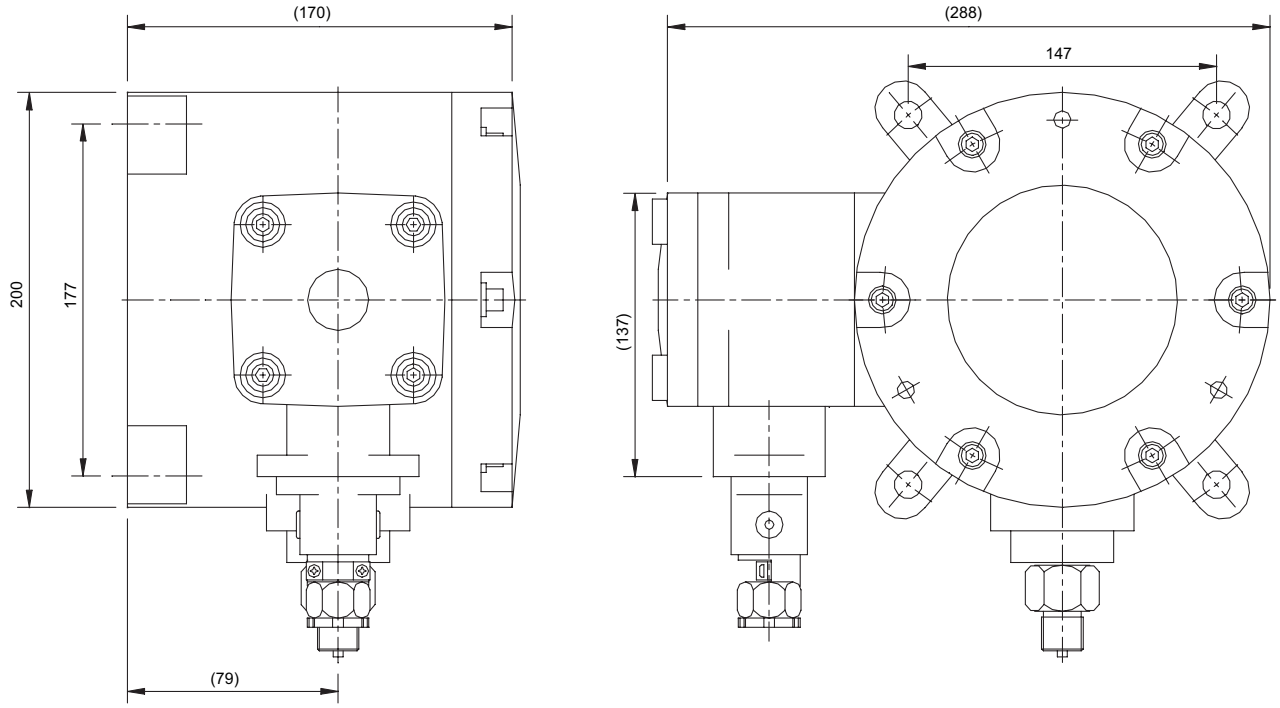


Element	Range			Dead band % F.S WITHIN	Accuracy % F.S.		Electric charactecteristics		
	Vacuum cmHg	Compound cmHg Kg/ cm²	Pressure Kg/cm²		Setting	Repeatability	Rating	Withstand voltag	Insulation resistance
(Bourdon tube)	76~0		*0.2 ~ 1	12	± 31		A.C.125V15A A.C.250V15A D.C.125V0.5A D.C.30V2A (Resistance load) A.C.125V15A A.C.250V15A D.C.125V0.05A D.C.30V1A (reactance)	AC1500V. 1min	DC500V. more than 100 MΩ according to megger
			0 ~ 1						
		76 - 0 ~ 1	0 ~ 2	8					
		76 - 0 ~ 2	0 ~ 3						
		76 - 0 ~ 3	0 ~ 4						
		76 - 0 ~ 4	0 ~ 6	6.5					
		76 - 0 ~ 6	0 ~ 10						
		76 - 0 ~ 10	0 ~ 15	5					
		76 - 0 ~ 15	0 ~ 20						
		76 - 0 ~ 20	0 ~ 25						
			0 ~ 35						
			0 ~ 50						
			0 ~ 70						
			0 ~ 100						
			0 ~ 150						
			0 ~ 250						
			0 ~ 350						
			0 ~ 500						
			0 ~ 700						

Ordering Codes

	Type	Outlet for Electric wire	Switch contact	Range	Description
KCD - 2					
	1				With indicator
		1			Conduit PF 3/4
		2			Press resistant packing type
			1		1 Contact
			2		2 Contact
				( )	

Dimensions



Options

・Classifications of Hazardous Areas
- Mark indicating Explosion-proof : Ex
- Flame proof construction : d
- For Electric instrument of Flame proof or Intrinsic safe Explosion-proof construction out of Explosionproof Electric instruments it is classified group IIA. IIB, IIC according to the classification of Ga or Steam.

The Classification of Gas Steam for Electric Instrument

Maximum safe gap of path for gas	Classification of Gas or steam	Range of Maximum surface Temperature	Temperature rate
Over 0.9	A	Over 300 up to 450C°	T1
Over 0.5 up to 0.9	B	Over 200 up to 300C°	T2
Up to 0.5	C	Over 135 up to 200C°	T3
		Over 100 up to 135C°	T4
		Over 85 up to 150C°	T5
		Up to 858C	T6

SS-3010 ~3080
SS-3110 ~3300
KCQ-21 KCQ-30
KCD-21