

Explosion-Protected Differential Pressure Switch

Model No. **KCD-31 Series**

KINS



KCD-31

[Explosion-protected of protection] Ex d IIC T4

Summary

This gauge has the same structure as KCD-21 Series. It is a contact switch for differential pressure which can measure simple differential pressure and can be used as measuring sealed tank level, flux or for the prevention of blockage of filter.

Safety Management

- Do not give impact during the transportation, installation and usage.
- Be sure to install pressure gauge to be horizontal and vertical.
- Do not use it over the capacity of the switch.

Purpose of Use

- Indicating, warning, controlling of tank level in explosion district.
- Indicating, warning, controlling of fluid which was applied by differential pressure of orifice line in explosion district.
- Indicating, warning and controlling differential pressure of both end sides' filter in explosion district.

Production Specification

- ▶ Accuracy
 - Grade : $\pm 1.5\%$ of Full Scale
 - Repeatability : $\pm 1.0\%$ of Adj Range
 - Dead Band : $\pm 4.0\%$
- ▶ Scale Range
 - 0 ~ 50 kPa, 0 ~ 1 MPa
 - (※ 1 MPa = 10.19716 kgf/cm²)
- ▶ Working Pressure
 - Static pressure : 75% of Full Scale
 - Fluctuating pressure : 60% of Full Scale
- ▶ Working Temperature
 - Ambient : - 20 ~ 65°C
 - Fluid : - 20 ~ 80°C
- ▶ Explosion-Protected of Protection
 - Ex d IIC T4

Product Specification

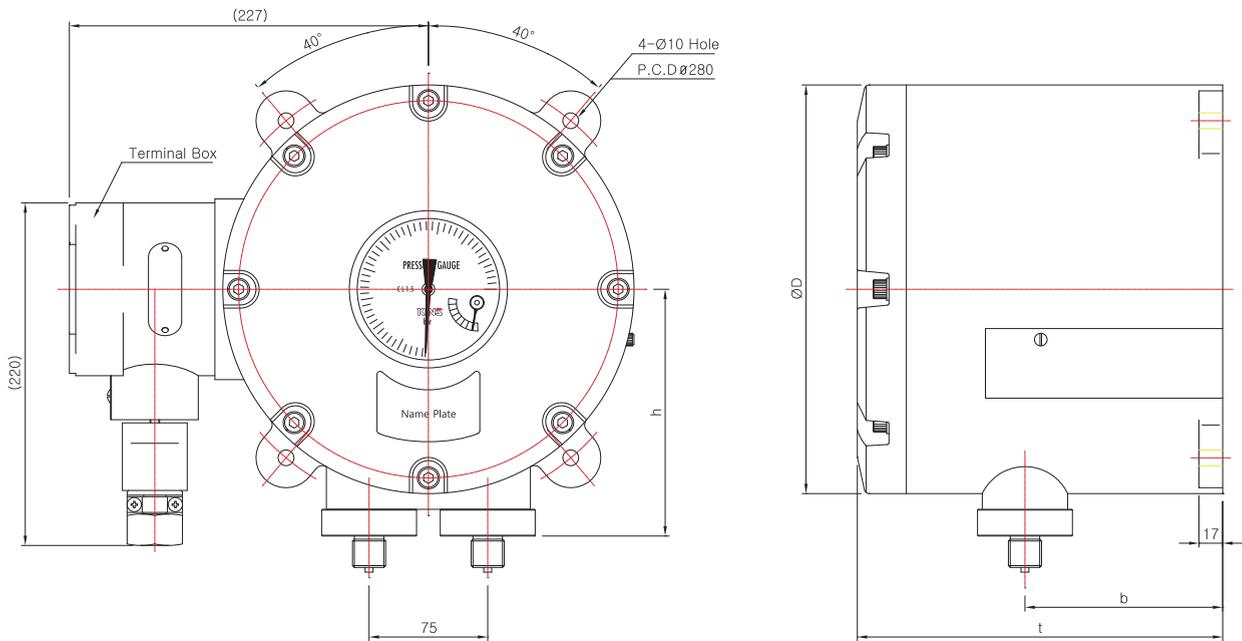
- | | | |
|---|---|---|
| <ul style="list-style-type: none"> + Case <ul style="list-style-type: none"> · Aluminum(Hammer tone coating) + Cover <ul style="list-style-type: none"> · Aluminum(Hammer tone coating) + Connection <ul style="list-style-type: none"> · STS 316 · PF, PT, NPT ↔ 1/2 + Window <ul style="list-style-type: none"> · Tempered safety glass, | <ul style="list-style-type: none"> + Contact rating <ul style="list-style-type: none"> · AC 125V, 250V 15A · DC 30V 2A / 125V 0.4A / 250V 0.2A + Pointer <ul style="list-style-type: none"> · Aluminum · Pointer black coating + Dial <ul style="list-style-type: none"> · Aluminum · White coating · Black gradation and characters + Base Press <ul style="list-style-type: none"> · 5MPa | <ul style="list-style-type: none"> + Bellows(Element) <ul style="list-style-type: none"> · STS 316 + Movement <ul style="list-style-type: none"> · STS 304 + Contact Form <ul style="list-style-type: none"> · Micro Contact Type · SPDT * 1, SPDT * 2 (High, Low, High & High High & Low, Low & Low) + Option <ul style="list-style-type: none"> · Diaphragm Seal · Accessories |
|---|---|---|

Pressure Gauge
 Differential Pressure Gauge & Switch
 Accessories of Pressure Gauge
 Thermometer & Thermometer Switch
 Thermocouple & RTD
 Thermowell
 Transmitter
 Indicator etc.
 Technical data

Explosion-Protected Differential Pressure Switch

Model No. KCD-31 Series

Model No. | KCD-31



Dimensions (mm)

Model No.	Conn'n (d)	ØD	b	t	h
KCD-31	NPT & PT, PF 1/2	260	125	(230)	(156)

*()The measurement in the blanket is approximate.

Connection diagram

