

Explosion-Protected Differential Pressure Switch

Model No. KCD-31 Series

KINS



KCD-31

[Explosion-protected of protection] Ex d IIC T4

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

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

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.

Pressure Gauge

Differential Pressure Gauge & Switch

Accessories of Pressure Gauge

Thermometer & Thermometer Switch

Thermocouple & RTD

Thermowell

Transmitter

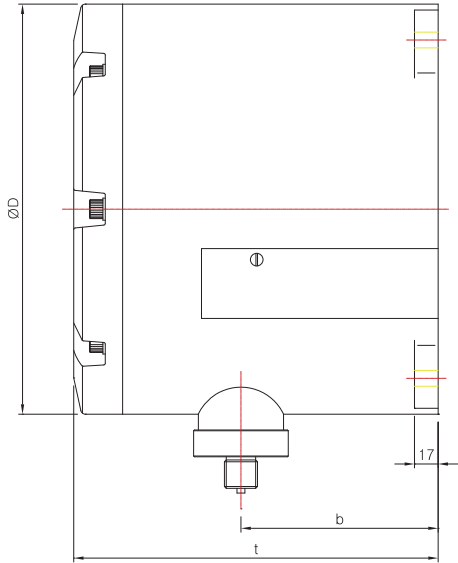
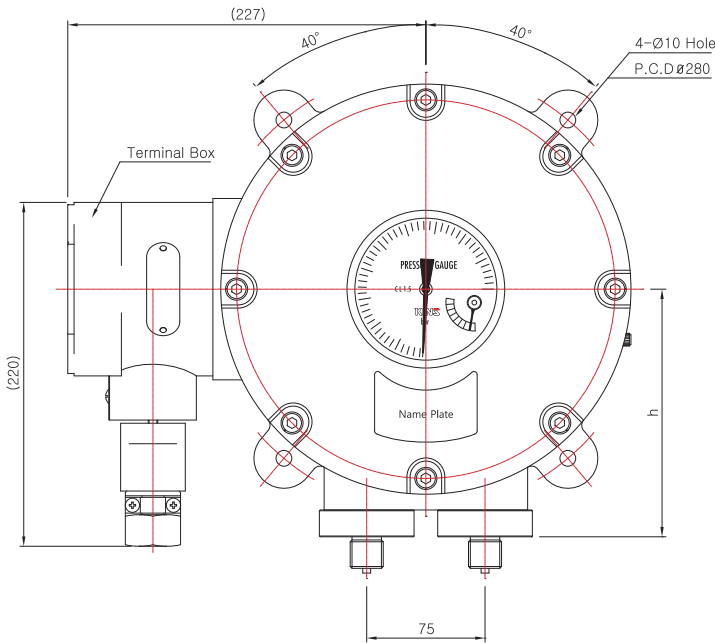
Indicator etc.

Technical data

Explosion-Protected Differential Pressure Switch

Model No. **KCD-31 Series**

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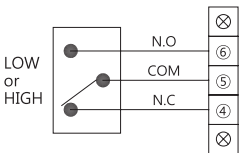
Dimensions (mm)

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

1 S/W



2 S/W

