

# Explosion-Protected Pressure Switch

Model No. **KCD-30 Series**

**KINS**



**KCD-30**

[Explosion-protected of protection] Ex d IIC T4

## Summary

This gauge is a diaphragm type and applied to the change of processing line. The micro switch located inside the gauge works according to various fluid and pressure of atmosphere.

### 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 (the standard is under AC 220V 15A)

### Purpose of Use

- Indicating and warning of piping pressure in explosion district.
- Indicating and warning of the pressure at LNG, LPG plant
- Indicating and warning of chemical industry plant which has the possibility of explosion.

### Production Specification

- ▶ **Pointer Type**
  - No indication
- ▶ **Accuracy**
  - Repeatability :  $\pm 1.0\%$  of Adj Range
  - Dead Band :  $\pm 4.0\%$
- ▶ **Scale Range**
  - 0.5kPa ~ 50kPa
  - (※ 1 kPa = 101.9716 mm H<sub>2</sub>O)
- ▶ **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

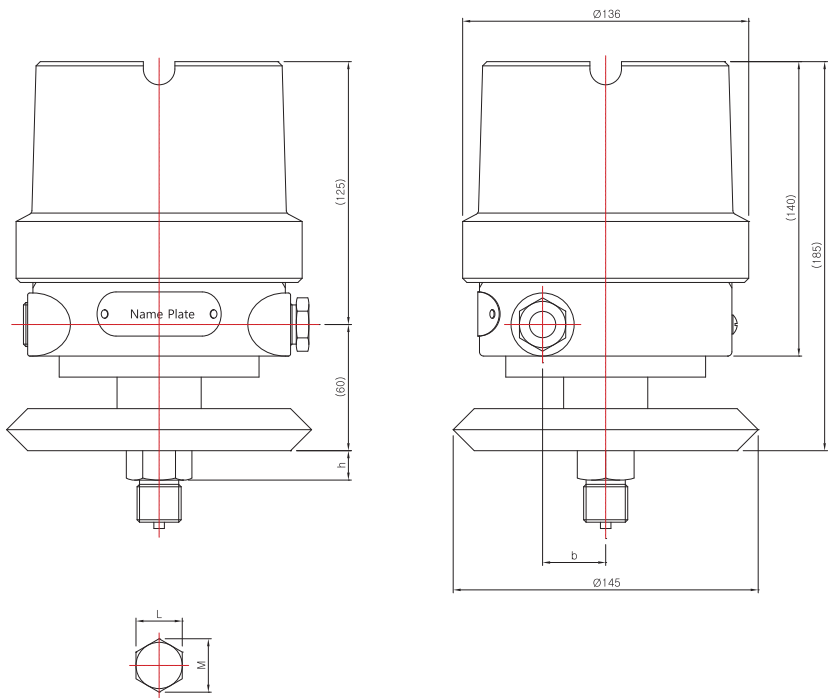
### Product Specification

- |   |   |   |
|---|---|---|
| <ul style="list-style-type: none"><li>+ <b>Case</b><ul style="list-style-type: none"><li>· Aluminum(Hammer tone coating)</li></ul></li></ul>  | <ul style="list-style-type: none"><li>+ <b>Cable Gland</b><ul style="list-style-type: none"><li>· 2-PF 1/2(Standard)</li></ul></li></ul>  | <ul style="list-style-type: none"><li>+ <b>Wetted part material</b><ul style="list-style-type: none"><li>· Hastelloy, Titanium, Tantalum etc.</li><li>· Rubber</li></ul></li></ul>                  |
| <ul style="list-style-type: none"><li>+ <b>Cover</b><ul style="list-style-type: none"><li>· Aluminum(Hammer tone coating)</li></ul></li></ul>   | <ul style="list-style-type: none"><li>+ <b>Contact rating</b><ul style="list-style-type: none"><li>· AC 125V, 250V 15A</li><li>· DC 30V 2A / 125V 0.4A / 250V 0.2A</li></ul></li></ul>  | <ul style="list-style-type: none"><li>+ <b>Option</b><ul style="list-style-type: none"><li>· In case of diaphragm seal slurry</li><li>· 2B Pipe Stanchion</li><li>· Accessories</li></ul></li></ul> |
| <ul style="list-style-type: none"><li>+ <b>Connection</b><ul style="list-style-type: none"><li>· STS 316, Other special material</li><li>· PF, PT, NPT ↔ 1/2, 3/8</li></ul></li></ul> | <ul style="list-style-type: none"><li>+ <b>Contact Form</b><ul style="list-style-type: none"><li>· Micro Contact Type</li><li>· SPDT * 1, SPDT * 2, DPDT * 1</li><li>(High, Low, High &amp; High High &amp; Low, Low &amp; Low)</li></ul></li></ul> |   |

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Model No. **KCD-30 Series**

## Model No. | KCD-30 Direct Type



### Dimensions (mm)

Model No.	Conn'n (d)	b	L	M	h
KCD-30	NPT & PT, PF 3/8	30	27	(311)	(14)
	NPT & PT, PF 1/2				

\*( )The measurement in the blanket is approximate.

### Connection diagram

