

ELECTROSTATIC TYPE EXPLOSION
PROOF LEVEL SWITCH

LIC-55



フェロ一工業株式会社
FELLOW KOGYO CO.,LTD.

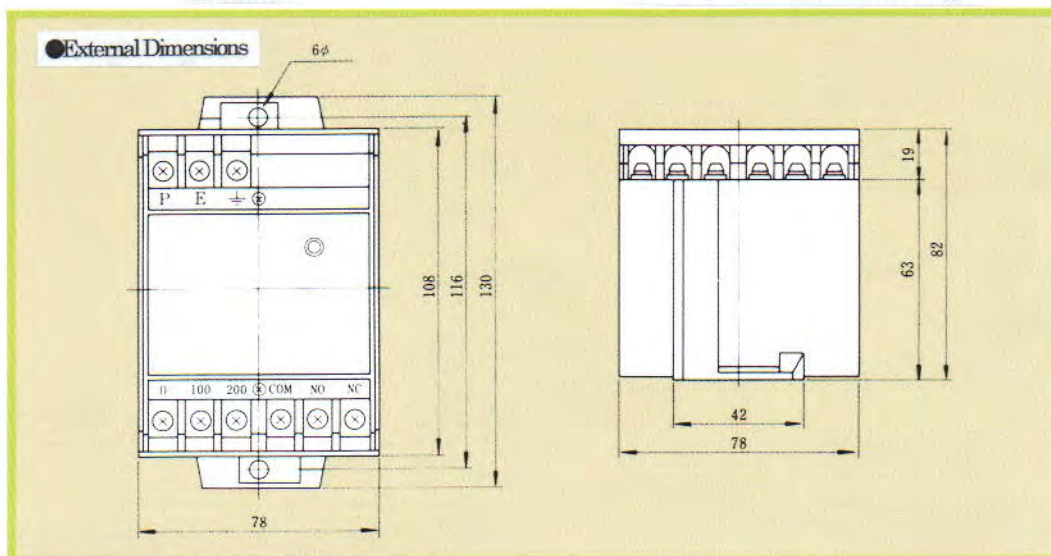
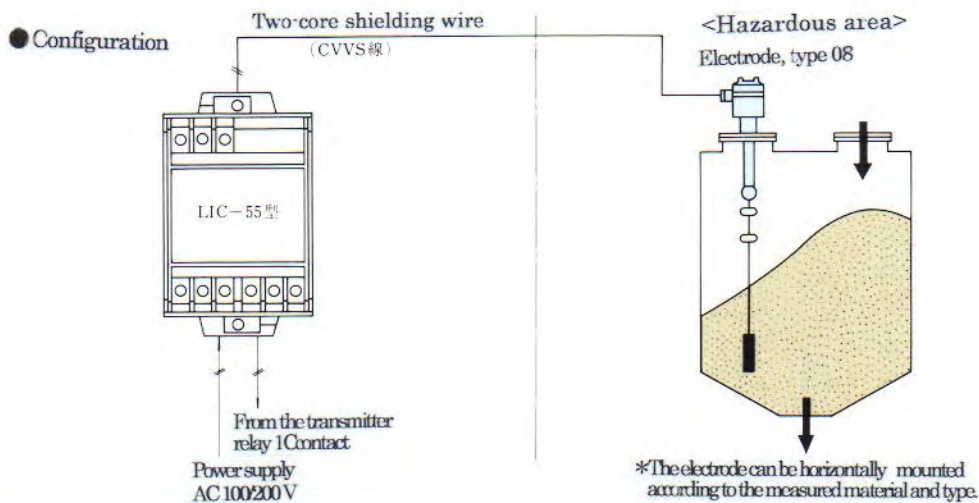
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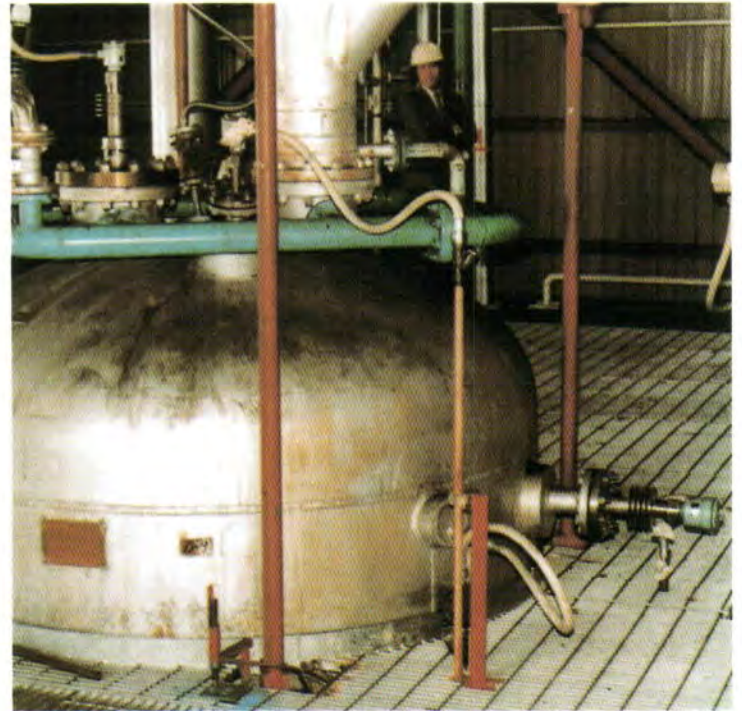


Can Be Used for All Types of Explosive Gases!

Hydrogen, Acetylene, Coal Gas, Ethylene, Methane, Ethyl, Acetone and Others

- Electrode — The cable in the spacing with the body can be normally enough with the signal cable.
- Electrode — The spacing with the body can be separated by an extent of 1 km more or less.



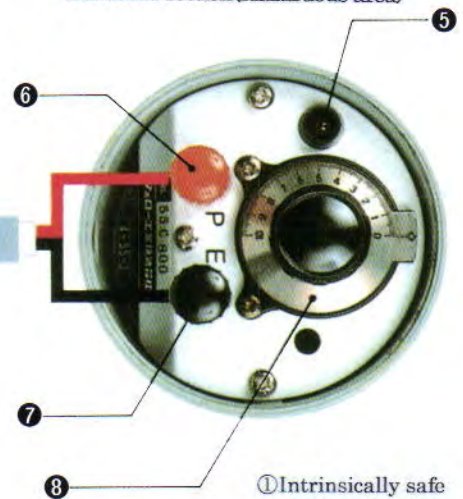


● Connection Instructions on Nomenclature

Body section (Nonhazardous area)



Electrode section (Hazardous area)



- ① Intrinsic safety
- ② Non intrinsic safety
- ③ Operation indicating lamp
- ④ Transparent resin cover
- ⑤ Operation indicating lamp
- ⑥ Terminal, red
- ⑦ Terminal, black
- ⑧ Vernier for adjustment

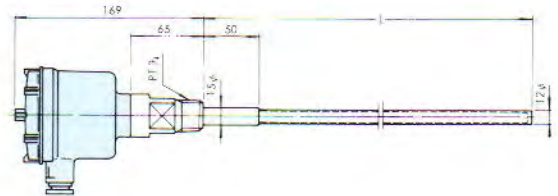
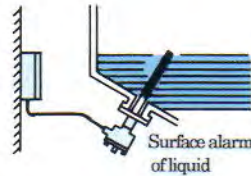
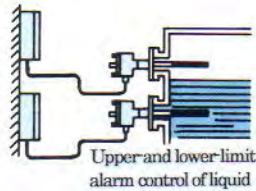
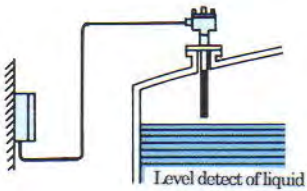
● Specifications

Input voltage	AC100/200V 50/60Hz(Standard)	110V,115V,220V
Output contact	1C(NO,COM,NC)	
Maximum contact rating	100VA(Max. 4.5A Max. AC 220V)	
Line resistance	Within 50Ω (CVVS-2C 1500V pressure resisting equivalent)	
Sensitivity	0.4PF (80PF at the time of fixation)	
Overall drift	0.5PF	
Ambient temperature	-10~55°C	
Power consumption	Less than 10VA	
Case	Polycarbonate, black	
Weight	600g (Body)	

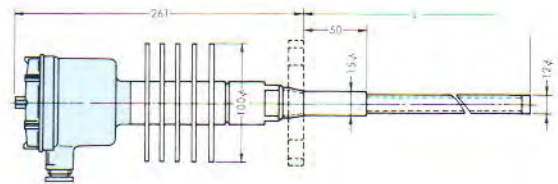
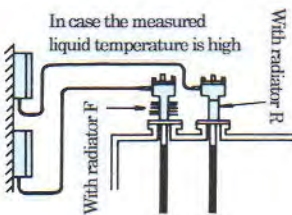
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Explosion-Proof Type Electrodes Example of Use for Typical Electrodes

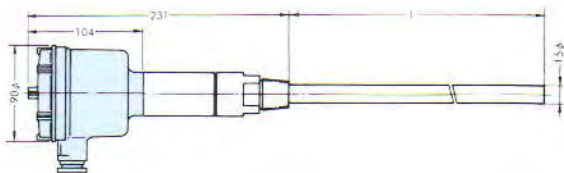
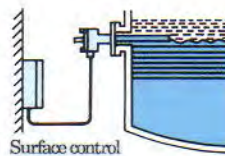
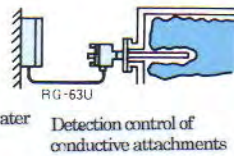
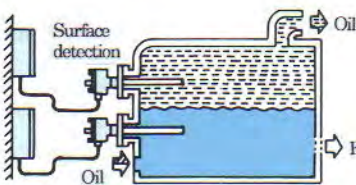
Model EP-10L For liquid



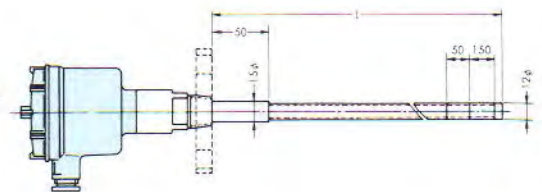
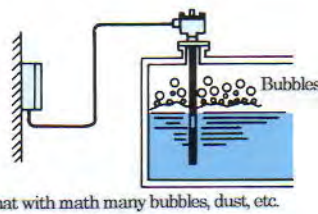
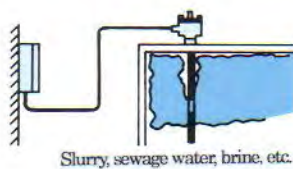
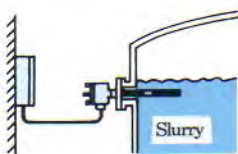
Model EP-10LH



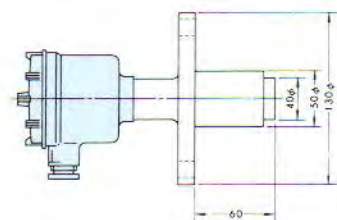
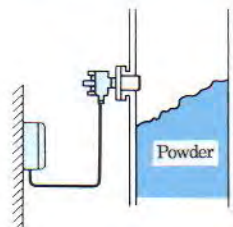
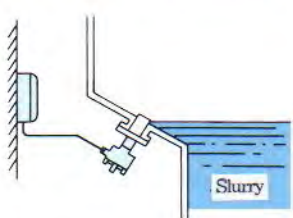
Model EP-10C For high stability of surface control, etc.



Model EP-10S For conductive attachments



Model EP-50 For Empty Detection and Flat Mounting



Range of use	Liquid of a little adhesion property
Example of use	Water, kerosene, cresol, sulfuric acid, chlorine band
Wetted part temperature	Max. 90°C
Ambient head temperature	Max. 55°C
Pressure	10 $\frac{kg}{cm^2}$

Range of use	Liquid of a little adhesion property and Liquid that the temperature is added
Example of use	Warm water, hot water, other chemicals of high temperature, etc.
Wetted part temperature	Max. 150°C
Ambient head temperature	Max. 55°C
Pressure	Max. 10 $\frac{kg}{cm^2}$
Remarks	The symbol H is employed for high temperature being a radiator to lower the temperature till the head.

Range of use	Liquid with adhesion property, slurry, short electrode
Example of use	Surface detection of oil and water, sludge water, brine, soy, ketchup, sulfuric acid, waste oil, etc.
Wetted part temperature	Max. 150°C
Ambient head temperature	Max. 55°C
Pressure	10 $\frac{kg}{cm^2}$

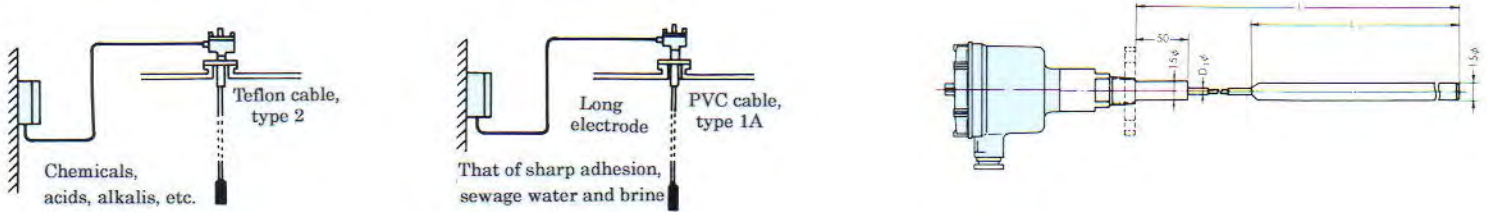
Range of use	Liquid with adhesion property and slurry
Example of use	Milk of lime, caustic soda, sludge, sulfuric acid, mayonnaise, ketchup, etc.
Wetted part temperature	Max. 150°C
Ambient head temperature	Max. 55°C
Pressure	10 $\frac{kg}{cm^2}$

Range of use	Liquid with adhesive property, slurry and powder
Example of use	Vinyl chloride slurry, ceramic slurry and powder
Wetted part temperature	Max. 150°C
Ambient head temperature	Max. 55°C
Pressure	5 to 10 $\frac{kg}{cm^2}$

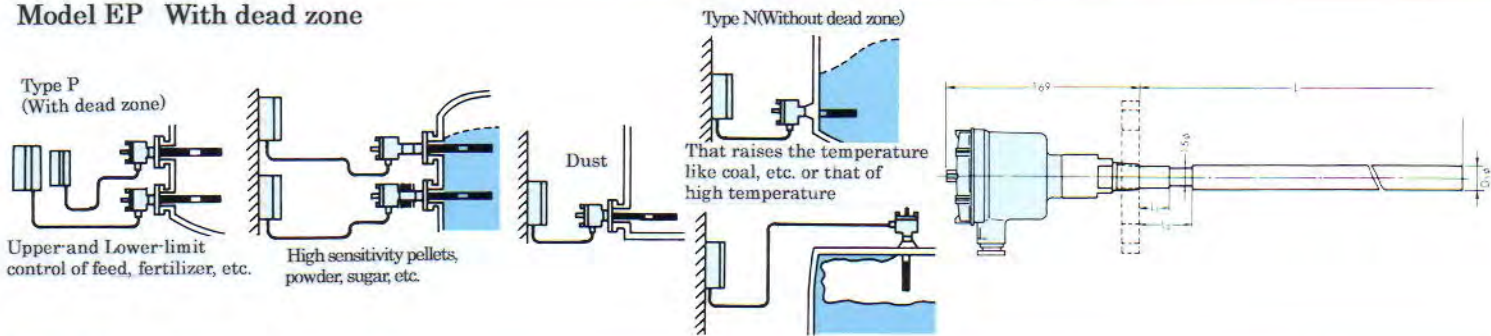
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Explosion—Proof Type Electrodes Example of Use for Typical Electrodes

Model EG Long electrode



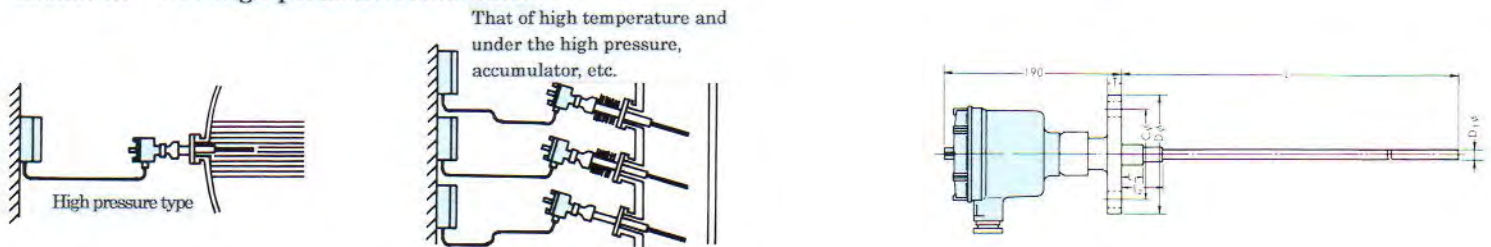
Model EP With dead zone



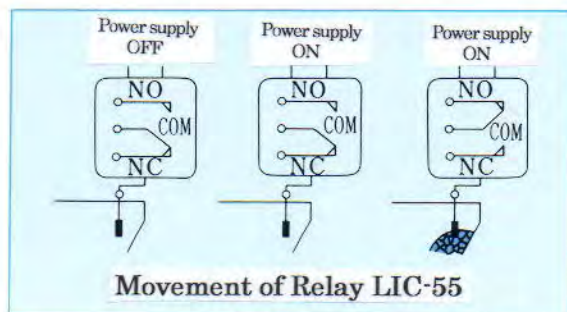
Model EKP For ores and dust



Model SP For high pressure resistance



Example of Level Control



Range of use	Liquid with adhesion property, slurry, long electrode
Example of use	Drainage for living, drainage for a variety of plants, water, oil, etc.
Wetted part temperature	Max. 50°C (G-1A) Max.150°C (G-2A)
Ambient head temperature	Max. 50°C
Pressure	2 $\frac{kg}{cm^2}$

Range of use	Powder, granules, oil, insulating liquid
Example of use	Collecting dust, plastics, carbon black, wheat flour, cement, millet jelly, sugar, feed, fertilizer, etc.
Wetted part temperature	Max. 90°C (For high temperature available, max.1,000°C)
Ambient head temperature	Max. 55°C
Pressure	10 $\frac{kg}{cm^2}$

Range of use	Powder, granules, massive materials Chromium ores, manganese ores, phosphorous ores, lime stone
Example of use	Chromium ores, manganese ores, phosphorous ores, lime stone, coke, coal, sand, glass balls, wooden chips, silicone, carbon, iron powder, alloys, iron dust, etc.
Wetted part temperature	EKP-08 Max. 60°C (For high temperature available, max.1,000°C)
Ambient head temperature	Max. 55°C
Tensile load	KP-08 1t

Range of use	Pressure resistance type
Example of use	For accumulator, water, oil, dust, granules, etc.
Wetted part temperature	Max. 90°C (For high temperature available, max.1,000°C)
Ambient head temperature	Max. 55°C
Pressure	By the designated pressure resistance, 50 $\frac{kg}{cm^2}$, 100 $\frac{kg}{cm^2}$, 150 $\frac{kg}{cm^2}$, 200 $\frac{kg}{cm^2}$, 250 $\frac{kg}{cm^2}$

● Besides, since other electrodes for high temperature are also available, do not hesitate to contact us.

