

# DOLPHIN (Magnetostriction) SENSOR TYPE LEVEL METER

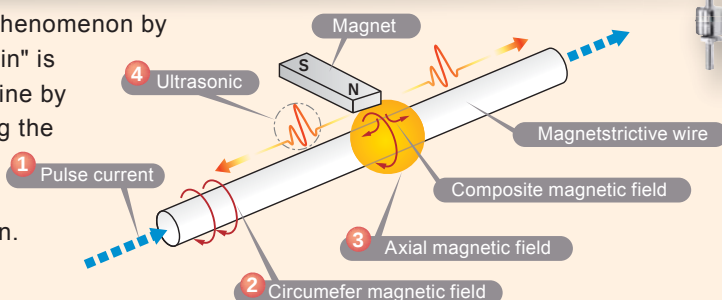
## KF-900/Ex-GYds

**Compact but high accuracy and resolution !  
Uninfluenced by ambient environment**



### Principle

It is applying the magnetostrictive phenomenon by Wiedemann effect. "Torsional strain" is generated on the magnetostrictive line by the magnet in the float moving along the stem, and the liquid level is detected by measuring the propagation velocity of the strain.



### Feature

- High accuracy, High resolution
- Compact, with a small bore fitting
- Initial setting is not required
- In addition to stainless steel, corrosion resistant resin (PVC, PFA) etc, can be used
- Not affected by gas, pressure, etc. generated in a tank

### Specification

|                             |                                       |
|-----------------------------|---------------------------------------|
| Power supply                | : DC24V±2V 80mA                       |
| Current output              | : 4-20mADC, load resistance max. 500Ω |
| Linearity                   | : Below ±0.05%FS TYP                  |
| Resolution                  | : Below 0.01%                         |
| Temperature characteristics | : Below ±40ppm FS                     |
| Temperature for housing     | : -20-+75°C                           |
| Housing material            | : ADC                                 |
| Protection level            | : IP65                                |

| KF-900<br>SUS316 | KF-900H<br>SUS316 / Heat resistant | KF-930/960<br>PVC/HT.PVC | IEC standard<br>flameproof construction |
|------------------|------------------------------------|--------------------------|-----------------------------------------|
|                  |                                    |                          |                                         |