

DISPLACER LEVEL INDICATOR

EDW900 – Weather Proof Type

EDX900 – Explosion Proof Type

The NEW-FLOW Displacer Level Indicator are made to fit wide range applications such as pump control, waste water level and deep open tank. They are designed for high corrosive resistance and long service life. 900-Series are switch setting available and provide output signals 4~20mA.

Technical Data

- Material:** Aluminum alloy case with paint; SS316 available
Body & Wetted Parts Material: SS316L, Indication via magnetic coupling (no sealed)
Scales Calibrated: in % or height
Range of Measurement: 300mm to 5M available; option on request
Connection Types: Flange type, Trip Clamp & Sanitary; Thread type (others on request)
Connection Size: 1½"~4"
Process Connection Rating: Thread type: NPT, BSP; Flange type: ANSI, DIN, JIS available
Max. Working Temperature: -50°C to +150°C (300°C option)
Max. Working Pressure: up to 100Bar; option on request
Protection Class: IP66 or Explosion Proof, Class I, Groups B, C & D; Class II, Groups E, F & G; NEMA 4, 7, 9
Accuracy: ±2% F.S (±1.6% F.S option)
Conduit Connection: Female ½"NPT, ½"BSP, ¾"NPT, ¾"BSP; option on request
Option: GS-M: adjustable Micro Switch (5A/125VAC, 5A/250VAC, 2A/30VDC); GS-R: adjustable Reed Alarm Switch (form A bistable type, N.O. type); GS-C: adjustable Inductive alarm Switch;
 GT: analog output 4~20mA, 2-wires
***HART® Communication:** available
Two Wires Transmitter with HART® Protocol
 – Galvanic Isolation
 – Suitable for application in SIL2 installations



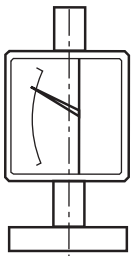
Ex d IIB + H2 T6
 工研院字號認證審核中
 ITRI/Taiwan certificate examining



Housing Type

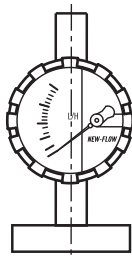
IP66 Rectangle Bolt Tight Type

Case Type: (A-1)
Housing Material:
 Aluminum alloy case with paint



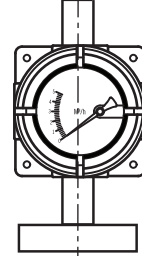
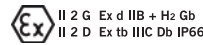
IP66 Round Screw Tight Type

Case Type: (A-2)
Housing Material: Aluminum alloy
Case Type: (B) Round Screw Tight Type
Housing Material: SS316



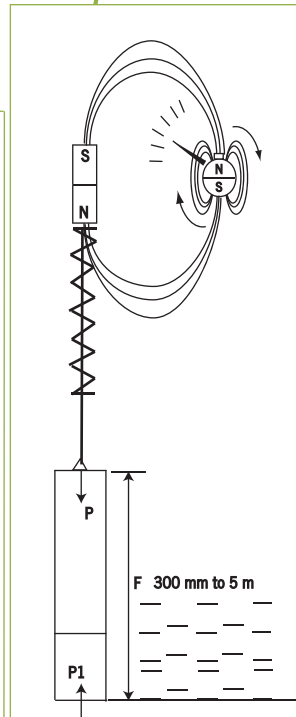
Explosion Proof

Case Type: (C)
 Class I, Groups B, C & D;
 Class II, Groups E, F & G;
 NEMA 4, 7, 9



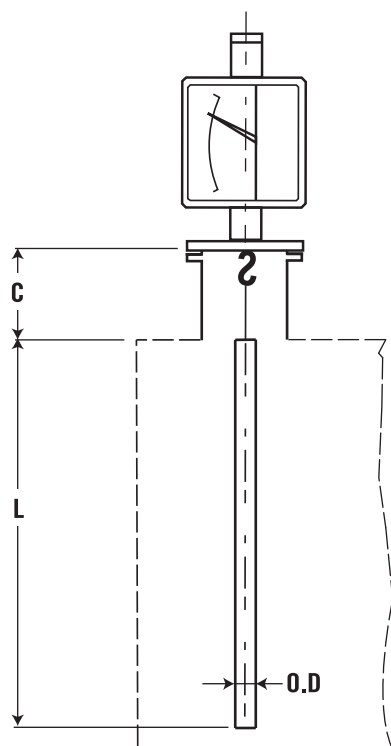
*Mounting length: 250mm standard
 Connection size bigger than 3", mounting length is 300mm.

Principle

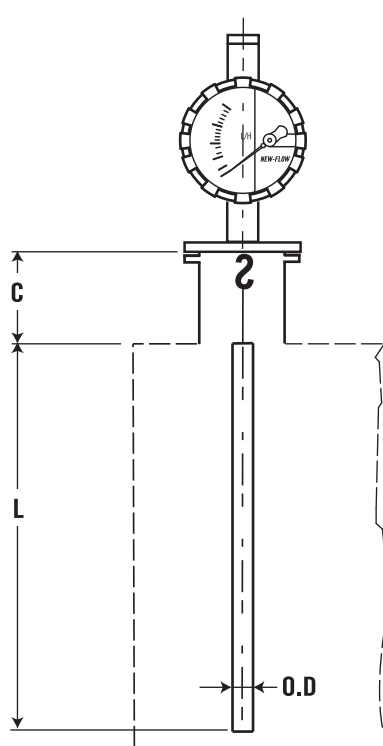


Dimension-mm

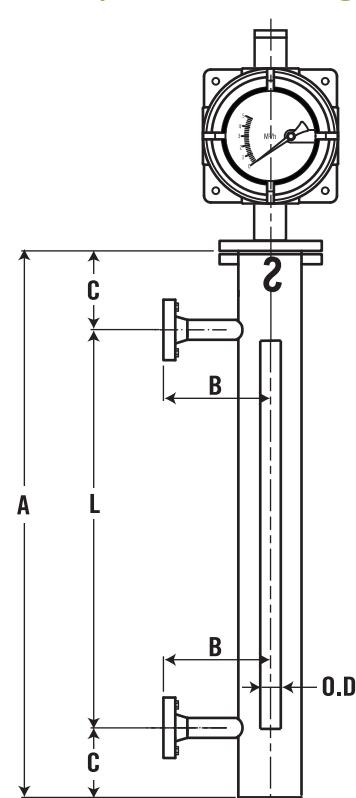
Rectangle Bolt Tight Housing



Round Screw Tight Housing



Explosion Proof Housing

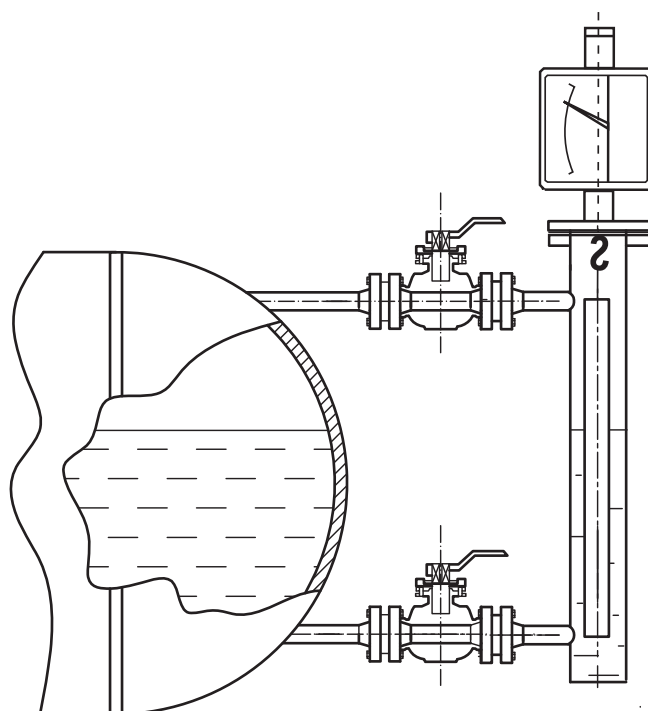
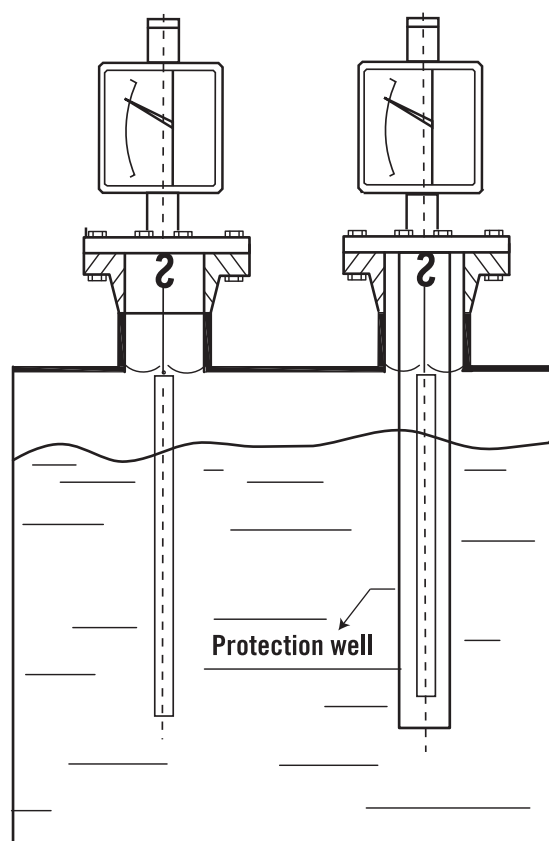


Installation Type

(1) Direct Insertion Type

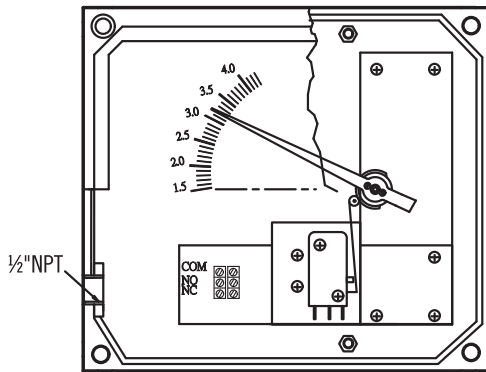
(2) Well Protection Type

(3) With Chamber Type (Side Mounting)



Alarm / Analog output

GS-M (Micro Switch)



Adjustable Micro Switch, Series EDW/EDX900/GS-M

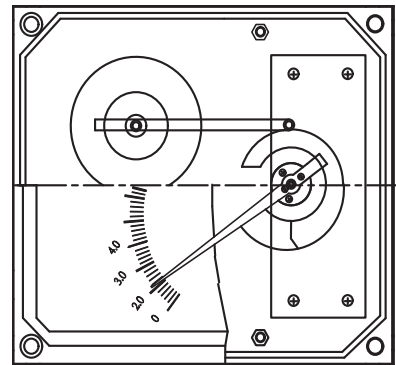
1 adjustable alarm contact

Load: 5A/125VAC, 5A/250VAC, 2A/30VDC

Temperature: -25°C ~ +100°C (AMB)

Hysteresis: $\pm 10\%$ F.S (Dead Band)

GT (Analog Output)



Electric Transmitter EDW/EDX900/GT

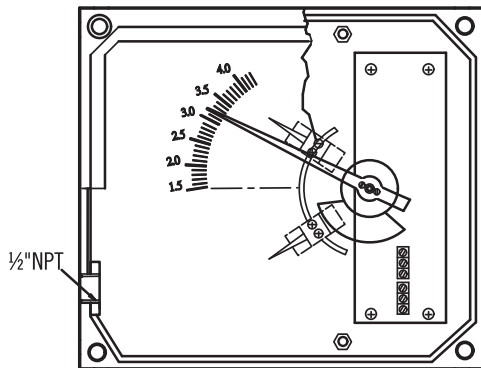
Analog output available: 4~20 mA (2 wire)

No Alarm Switch Available

Power Supplier: 24Vdc

Temperature: +25°C ~ +100°C (AMB)

GS-C (Inductive Switch)



Adjustable inductive alarm switch

Hysteresis: $\pm 1\%$ F.S (Dead Band)

Inductive sensors slotted type:

3.5mm slot switch

DC. voltage 2 wire's to DIN19234 (NAMUR) for use in hazardous areas.

— Power supply: 8 Vdc (Ri.approx. 1k Ω)

— Current consumption: Active face uncovered 3mA

Active face covered 1mA

— Ambient temp: -25°C ~ +100°C

Isolated barriers output relay for inductive sensor:

— Rail mounting

— Control circuit EEx ia IIC

— EMC acc to NAMUR NE21

— Contact loading 250VAC 2A SPDT 40VDC 2A

1 adjustable alarm

Contact setting point should be within 10% to 100% of F.S

For 24VDC: KFD2-SR2-Ex1.W

115VAC: KFA5-SR2-Ex1.W

230VAC: KFA6-SR2-Ex1.W

2 adjustable alarm

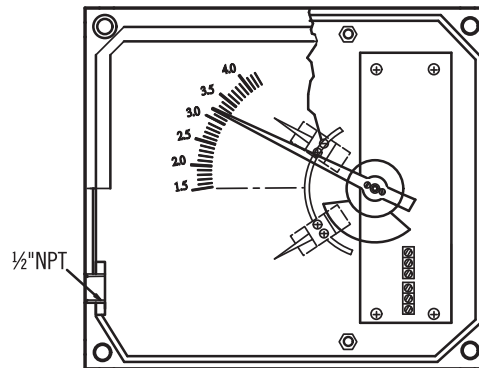
The second setting point should be a gap 65% from first setting point.

For 24VDC: KFD2-SR2-Ex2.W

115VAC: KFA5-SR2-Ex2.W

230VAC: KFA6-SR2-Ex2.W

GS-R (Reed Switch)



Alarm Switch:

one or two setting points, form A bistable type (N.O. type)

Hysteresis:

$\pm 10\%$ F.S (Dead Band)

Switch Rating:

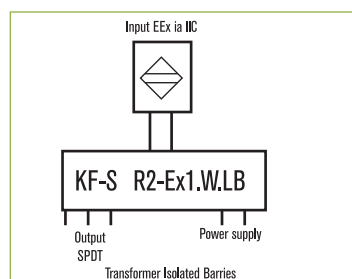
AC 125V 0.5A / DC 100V 10W / Max. DC 250V < 1mA

1 adjustable alarm

Contact setting point should be within 10% to 100% of F.S.

2 adjustable alarm

The second setting point should be a gap 40% from first setting point.



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