

BY - PASS LEVEL INDICATOR

SIDE MOUNTED / TOP MOUNTED

Effex
INDUSTRIALSOLUTIONS

MODEL CODE : ELD

SPECIAL FEATURES

- ENHANCED PROTECTION DUE TO METALLIC CHAMBER
- TRANSMITTER OUTPUT 4 - 20 mA (OPTIONAL).
- DISPLAY OF LIQUID LEVEL FOR CORROSIVE, TOXIC & FLAMMABLE MEDIA WITH SEPARATION FROM MEASUREMENT TO INDICATING COMPARTMENTS.
- MAGNETIC TRANSMISSION OF LIQUID LEVEL FROM VESSEL TO GAUGE IS CONTINUOUS & RESISTANCE TO VIBRATION.
- CAN BE USED FOR THE LEVEL MEASUREMENT FOR THE ATMOSPHERIC & PRESSURIZED CONDITION.
- BETTER RELIABILITY AT HIGH TEMPERATURE & PRESSURE
- CLEAR VISIBILITY OF LEVEL FOR LONGER DURATION.
- EASY TO SET CONTACTS AT DIFFERENT DESIRED LEVELS.

APPLICATIONS

- PROCESSING TANKS & UNDER GROUND TANKS
- CUSTODY TRANSFER
- PHARMACEUTICAL & BEVERAGE PLANTS
- CHEMICAL & FERTILIZER PLANT

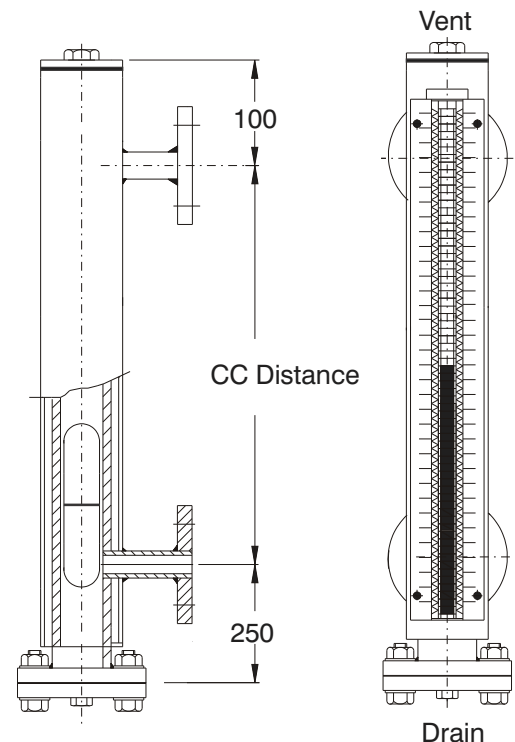


SPECIFICATIONS - STANDARD VERSION

Mounting	: Top or Side
Top Side Vent	: Welded flat top with Plug
Bottom Side Drain	: Dual Flange & Plug (for Side Mounted)
	: / Flange (for Top Mounted)
Process Connection	: Flanged or Screwed
C-C Distance (± 3 mm)	: Up to 6000 mm
Flag Display Length (L)	: Up to 6000 mm
Flag Color	: Blue & White
Scale Material	: Aluminum
Operating Pressure	: Up to 50 kg/cm ²

Operating Temperature	: -20 to 120°C
Chamber	: AISI 316 SS
Float	: AISI 316 SS
Indicator Roller	: Metallic
Specific Gravity	: 0.75 (Min.)

DIMENSIONS - STANDARD VERSION



Notes : • Drawings are not to scale. • All Dimensions are in mm

**LEVEL
GAUGES**

MINIATURE LEVEL SWITCH

SIDE MOUNTED / TOP MOUNTED (ALL SS)



MODEL CODE : ELD

HOW TO ORDER

BASIC MODEL

MOUNTING

T TOP S SIDE

WETTED PARTS

6 FLOAT / CHAMBER / PROCESS CONNECTION - AISI 316 SS
10 FLOAT / CHAMBER / PROCESS CONNECTION - AISI 316L SS

TEMPERATURE RANGE

T2 -20 to 120°C (Standard) T3 -20 to 400°C

PRESSURE RANGE

P2 0 to 10 kg/cm² P3 0 to 25 kg/cm² P4 0 to 50 kg/cm² \

TOP SIDE VENT

A SCREWED CAP + PLUG - 1/2" NPT (M) F WELDED FLAT TOP + PLUG - 1/2" NPT (M)
B SCREWED CAP + PLUG - 3/4" NPT (M) G WELDED FLAT TOP + PLUG - 3/4" NPT (M)
C SCREWED CAP + PLUG - 1" NPT (M) H WELDED FLAT TOP + PLUG - 1" NPT (M)
D SCREWED CAP + VALVE - 1/2" NPT (F) I WELDED FLAT TOP + VALVE - 1/2" NPT (F)
E SCREWED CAP + VALVE - 3/4" NPT (F) J WELDED FLAT TOP + VALVE - 3/4" NPT (F)
T SINGLE FLANGED (FOR TOP MOUNTED)

BOTTOM SIDE DRAIN

K DUAL FLANGE + PLUG - 1/2" NPT (M) N DUAL FLANGE + VALVE - 1/2" NPT (M)
L DUAL FLANGE + PLUG - 3/4" NPT (M) O DUAL FLANGE + VALVE - 3/4" NPT (M)
M DUAL FLANGE + PLUG - 1" NPT (M)

NOTE : BOTTOM SIDE DRAIN IS NOT APPLICABLE FOR TOP MOUNTED LEVEL GAUGE

PROCESS CONNECTION

Screwed Connections

4NM 1/2" NPT (M) 4BM 1/2" BSP (M)
4NF 1/2" NPT (F) 4BF 1/2" BSP (F)
5NM 3/4" NPT (M) 5BM 3/4" BSP (M)
5NF 3/4" NPT (F) 5BF 3/4" BSP (F)
6NM 1" NPT (M) 6BM 1" BSP (M)
6NF 1" NPT (F) 6BF 1" BSP (F)

Flanged Connections (As per ANSI B 16.5)

B09 1/2" 150# RF B21 1" 150# RF B39 2" 150# RF
B10 1/2" 300# RF B22 1" 300# RF B40 2" 300# RF
B11 1/2" 600# RF B23 1" 600# RF B41 2" 600# RF
B15 3/4" 150# RF B33 1 1/2" 150# RF B51 3" 150# RF
B16 3/4" 300# RF B34 1 1/2" 300# RF B52 3" 300# RF
B17 3/4" 600# RF B35 1 1/2" 600# RF B53 3" 600# RF

NOTE : SCREWED CONNECTION IS APPLICABLE FOR SIDE MOUNTING ONLY.
FOR TOP MOUNTED LEVEL GAUGE MINIMUM PROCESS CONNECTION WILL BE 4" 150# RF

CENTER TO CENTER DISTANCE

Please specify in mm (e.g. Write 800 for 800 mm Center to Center Distance)

(This indicator will be supplied up to 3500 mm in single piece design and above 3500 mm, it will be supplied in two piece coupled design)

MATERIAL OF SCALE

A ALUMINUM (Standard) S AISI 304 SS

FLAG COLOR

BW BLUE & WHITE (Standard) RW RED & WHITE LW BLACK & WHITE

OPTIONS

NO. OF MAGNETIC SWITCHES

1 ONE 2 TWO 3 THREE 4 FOUR

MAGNETIC SWITCH WITH HOUSING

A SPST (REED SWITCH, IN GENERAL PURPOSE HOUSING)
B SPDT (MICRO SWITCH, IN IP65 HOUSING)
C SPDT (MICRO SWITCH, IN EX-PROOF HOUSING)

TRANSMITTER

LT TRANSMITTER WITH 4-20 mA OUTPUT

STILL WELL (FOR TOP MOUNTING)

WS STILL WELL - AISI 304 SS WL STILL WELL - AISI SS 316 L
WT STILL WELL - AISI 316 SS WC STILL WELL - CARBON STEEL

Ordering Example: ELD - S - 6 - T2 - P2 - A - K - B39 - 800 mm - S - RW - 1 - A

NOTE : REFER INDIVIDUAL DATA SHEETS FOR INDICATORS AND PID CONTROLLERS.

Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing.

Modifications may take place and materials specified may be replaced by others without prior notice.

Example

ELD

S

6

T2

P2

A

K

B39

800 MM

S

RW

1 - A

LEVEL
GAUGES