

**APPLICATION**

CSA approved intrinsically safe for use in hazardous area locations, the ultrasonic level switch is broadly applied in chemical, solvent, hydrocarbon and petroleum based liquids. Media examples include fuel, acetone and hydrochloric acid. The IA relay provides a reliable switch interface with remote devices such as a PLC, SCADA or alarm. The submersible sensor is universally mounted through the wall or inside the tank.

**FEATURES**

- ✓ CSA approved intrinsically safe for use in hazardous area locations
- ✓ PP or PFA sensor and cable rated NEMA 6 or IP68
- ✓ IA relay selectable NO or NC via power supply wiring polarity

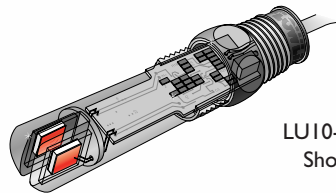
**TECH TIP**

Select the PFA sensor for use in highly corrosive and/or ultrapure applications such as wafer etching.

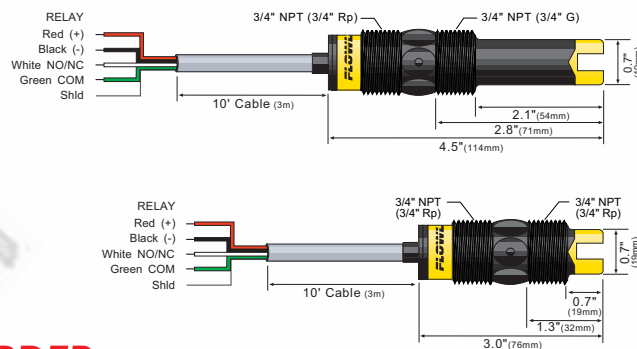


LU10-1305  
Shown

LU10-1405  
Shown



LU10-2305  
Shown



**SPECIFICATIONS**

Orientation:	Universal
Accuracy:	± 1 mm in water
Repeatability:	± 0.5 mm in water
Supply voltage:	12-36 VDC
Consumption:	25 mA maximum
Contact type:	(1) SPST relay
Contact rating:	GP: 60 VA IS: 32 VDC @ 0.5A
Contact output:	Selectable NO/NC
Process temp.:	F: -40° to 176° C: -40° to 80°
Pressure:	150 psi (10 bar) @ 25° C., derated @ 1.667 psi (.113 bar) per °C. above 25° C.
Sensor rating:	NEMA 6 (IP68)
Sensor material:	1__5: PP 2__5: PFA
Cable jacket mat.:	1__5: PP 2__5: PFA
Cable type:	4-conductor, #22 AWG (shielded)
Cable length:	Standard: 10' (3m) Special order: 25' (7.6m) or 50' (15.2m)
Process mount:	3/4" NPT (3/4" G / Rp)
Mount. gasket:	Viton®
Classification:	Intrinsically safe
Approvals:	CSA: Class I, Groups A, B, C & D; Class II, Groups E, F and G; Class III EEx: Class 1, Division 1, Groups A, B, C, D; EEx ib IIC T6
Parameters:	CSA: Vmax = 32V, Imax = 300 mA, Pmax = 1.3 W Ci = 0 µF, Li = 0 µH EEx: Ui = 32V; li = 300 mA; Pi = 1.3 W; Ci = 0 µF; Li = 0 µH
Certificates:	CSA: LR 79326
CE compliance:	EN 61326 EMC EN 61010-1 safety



**Ultrasonic**

**ORDER**

LU10-5

- Sensor material (1)**
- 1 PP
  - 2 PFA
- Sensor length**
- 3 Short
  - 4 Long
- Process mount (2)**
- 0 3/4" NPT (US)
  - 2 3/4" G / Rp (Metric)

**Ordering Notes**

- 1) To special order a 25' (7.6m) or 50' (15.2 m) sensor cable, place the cable length at the end of the part number (ie: LU10-1305-25').
- 2) The short Metric sensor is offered with conical Rp threads on both sides of the wrench flat. The long Metric sensor is offered with straight G threads on the sensing side and conical Rp threads on the cable side of the wrench flat.