Excellent Design & Manufacture

Ultrasonic Point Level Detectors

Ultrasonic point level detectors

are a cost-effective solution for your applications. Installation requires mounting the sensor (threaded or flanged) to the vessel, connecting the power and control wires, and applying power. There is no additional set-up or calibration required. Since it is an electronic instrument with no moving parts, preventive maintenance is limited to an annual visual inspection. The only recommended spare part is the “board” at a quantity of one board for every 10 units. A technician with basic electrical skills (wiring) can service the instrument.

Why use an ultrasonic detector over other level technologies? Depending upon your application, there may be three or four technologies equally suited for your application; however; only one will be the best choice when considering its features and benefits.

Features & Benefits

Cost

- In addition to the price of the instrument, you must consider the cost of installation, set-up and calibration.

Maintenance

- You need to factor in the frequency of preventative maintenance. Also, consider the cost of keeping key “spare parts” on the shelf.

Skill

- What “skill” level is required of your maintenance personnel to service the instrument.

Model Number System

ENE101-610004-610

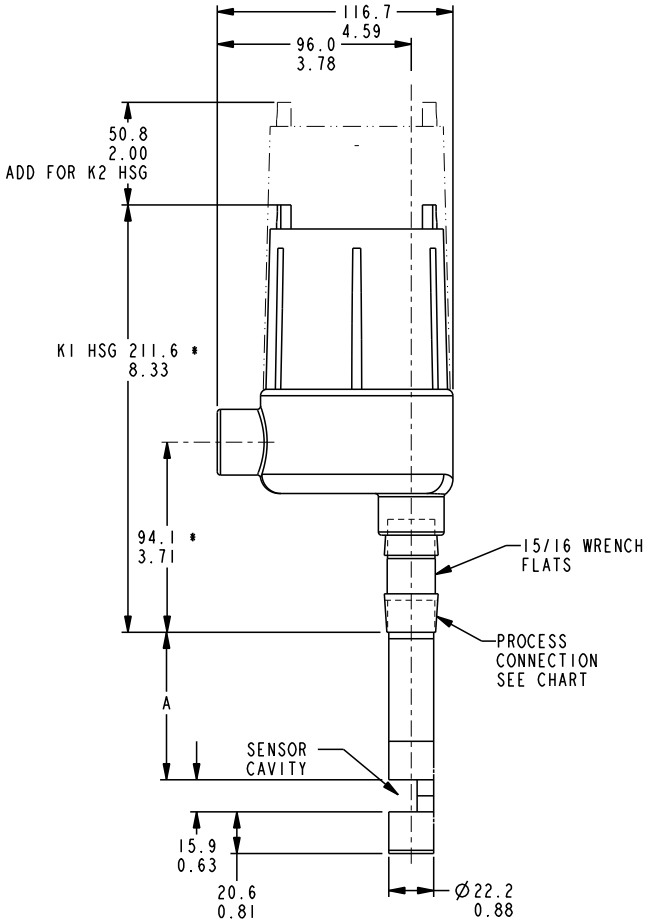
ENE101-610004-610 is comprised of two parts. The frst is the electronics and housing; the second is the sensor .

Product Specifications

Electrical Housing	Integral
Input Power	
Line	24 VDC
Loop	11-36 VDC Intrinsically Safe
Fuses	Field replaceable (line power only)
Output Type	
Line	10A DPDT, 30 VDC
	DC rating shown for resistive loads
Loop	8mA (dry),
	16 mA (Wet)-Standard
Loop Resistance	765 ohms maximum @ 24 VDC
Repeatability	0.078" (2mm)
Failsafe	HLFS-Standard; field selectable
	is optional
Maximum Current Draw (Line Power)	
24 VDC	100 mA
120 VAC	35 mA
240 VAC	18 mA
Response Time	
On	0 second
Off	1 second

Enclosure Environmental Rating	NEMA 4X; IP65
Conduit Connection	3/4" NPT
Maximum Remote Distance from Sensor	50 feet (15.2 meters)
Ambient Temperature Range	-40 to 160°F (-40 to 71°C)
Process Temperature Range	-40 to 250°F (-40 to 121°C)
Maximum Process Pressure	2000 psig (138 bar)
Weight*	2.5 lbs. (1.2 kg)
Sensor Type	Vertical Gap
Insertion Length	1.2 INCH
Sensor Material	316SS (standard)
Process Connection	3/4"NPT
Accessories	
SS nameplate permanently affixed to housing	
with customer specified tag information	

Dimensions in this catalog are for reference only. They may be changed without notice. Contact the factory for certified drawings for a particular model number. Dimensions are expressed as millimeter over inches (Linear = mm/in.).



Sensor Dimensions

Dimensions shown are for reference only. Contact the factory for certified dimension drawings.
Linear = mm/in.

Process Connection	*Add to Length
3/4" NPT(M)	Shown

Type U Single Point (Threaded)