



TECHNICAL DATA SHEET
ULTRASONIC PIT LEVEL SENSOR

No. SPECS-DRL-061
Rev. 0
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TITLE: ULTRASONIC LEVEL SENSOR

DEPARTMENT: TECHNICAL SUPPORT

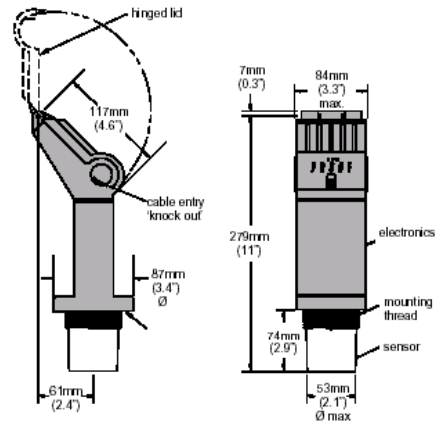
DESCRIPTION:

The ultrasonic sensors are versatile – one type of sensor is used for various tank heights, up to 16.4 feet (5 meters). Main advantages of system are the ease of installation and logistics – sensors are only 11” long. The sensor may be located in any fluid tank. The individual sensors are monitored via DLS, with totals, averages etc being available. Pits may be monitored by two (2) sensors to allow motion compensation. DLS can monitor twenty (20) individual sensors continuously at one time.



A. Specifications.

GENERIC DESCRIPTION:	Ultrasonic Sensor
BRAND (Sensor):	Milltronics
MODEL (Sensor):	The Probe
BRAND (Barrier):	Pepperl + Fuchs
MODEL (Barrier):	KFD2-STC4-EX2
SENSOR TYPE:	Ultrasonic
INSTALLATION LOCATION:	Active Pit, Reserve Pit, Slug Pit, Mixing Tank, Trip Tank
MEASURING RANGES:	0.8 to 16.4 ft (0.25 to 5 m) [reversible SPAN]
OPERATING TEMPERATURE:	-40 to 140°F (-40 to 60°C)
ACCURACY:	0.25% of full scale
RESOLUTION:	±0.125 inch (±3 mm)
APPROVALS/CERTIFICATION:	<u>CSA, FM:</u> Intrinsically Safe Class I & II, Div. 1, Groups A, B, C, D, E, F, G hazardous location <u>SAA:</u> Exia IIC T6 IP65, Class I Zone 0 <u>BAS, CEN:</u> EExia IIC T4, Tamb = 60°C Ex 95C2032 Enclosure 4X / NEMA 4X / IP65
OUTPUT:	Chart Recorder, DLS System, all digital monitors.



APPROVAL:

Dept. Supervisor : VICTOR SAET Date: 19th August 2002

Technical Committee : ALAN MORRISON Date: 19th August 2002