Technical Data Sheet

pulse tracker™

Performance

Measurement Range	≤ 60 feet (18.3 m)
Accuracy	± 1 inch (25.4 mm)
Repeatability	± 1 inch (25.4 mm)
Resolution	0.5 inch (12.7 mm)
Scan Time	< 1 second
Linearity	± 1% of span
Sensitivity	Adjustable
Dielectric Constant	≥ 1.5
Dead Zone (Top)	2 feet (0.61 m)

Functional

Design	4 wire device
Power Supply	10 to 35 VDC or 1 phase 50/60 Hz 120/240 VAC ± 10%
Power Consumption	2.4 VA
Outputs	4-20 mA - opto isolated
Output Damping	Factory adjustable
Max. Load Resistance	600 ohm
Communications	RS 485 to display/keypad. Remote up to 4,000 ft.
Electronics Temperature Range	-40° to 158°F (-40°to 70°C)
Sensor Temperature Range	300° F (149° C) maximum
Operating Pressure Range	Atmospheric

Physical

Electronics Enclosure Rating	NEMA 4X/IP66
Sensor Mounting	3" or 4" Flat Faced 150# flange
Sensor Enclosure Material	Polyester coated aluminum
Sensor Element Material	Tefzel coated stainless steel cable
Display	Integral: 2 lines by 16 character Remote: 2 lines by 16 character/NEMA 4X enclosure

Benefits/Features

Easy Installation Setup and Calibration

High Accuracy
0.14%@ 60'

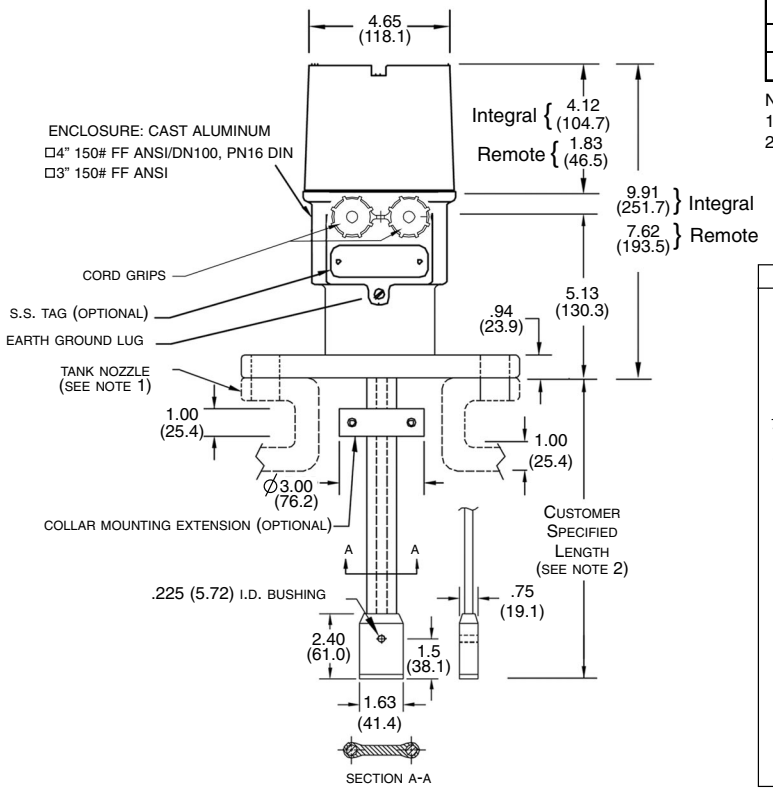
Low Dielectric Applications
> 1.5

Rapid Scan Time
<1 second

BINDICATOR®
LEVEL INSTRUMENTATION

Venture Measurement ● 150 Venture Blvd. ● Spartanburg, SC 29306 ● 864.574.8060 ● 1.800.778.9242 ● Fax: 864.574.8063 ● www.bindicator.com ● sales@bindicator.com

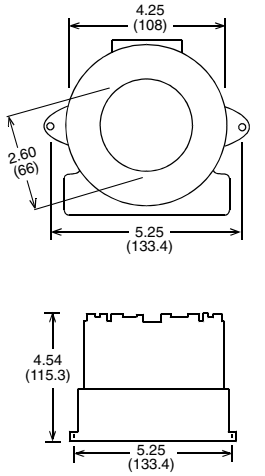
Dimensions



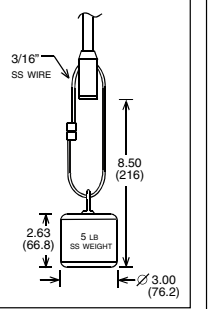
DIN 100 PN 16	9.00"	8	7.08"	.75"
ANSI 4" -150# MACH.	9.00"	8	7.50"	.75"
ANSI 3" -150# MACH.	9.00"	4	6.00"	.75"
FLANGE SIZE	O.D.	# OF HOLES	B.C.	HOLE SIZE

Notes
1. For nozzle heights in excess of 6", consult factory.
2. Sensor cable must never come closer than 6 inches (152.4mm) to the vessel wall or other obstructions. End of cable must not contact bottom of vessel.

REMOTE DISPLAY



PROBE END OPTION 3



inch (mm)

Ordering Information

RAD - A - - A - 1 - G - 1 - - - P - 00 - A -

Probe Length (Specify in feet)
(**XXX.XX**)

Revision Level
A

Modification Code
00

Probe Type
P = Premium Tefzel® jacketed cable

Probe End
1 = None
2 = Terminated Block Only
3 = 5 lb weight
4 = Tether
5 = Pig Tail

Process Connection
A = 4" 150 lb FF ANSI Flange
B = 3" 150 lb FF ANSI Flange

Wiring Entry
1 = 3/4" NPT with cord grips

Housing Protection
G = General Purpose NEMA 4X

Enclosure Material
1 = Polyester coated aluminum

Output
A = 4-20 mA analog

Voltage
1 = 120 VAC or 24 VDC
2 = 240 VAC or 24 VDC

Software Version
A = Standard

Sensor Series
1 = Integral Display/Keypad
2 = Remote Display/Keypad

LCD Display

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