

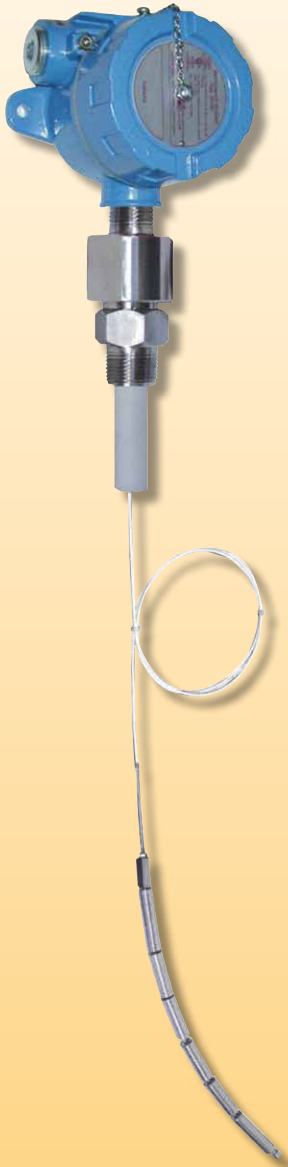
Level Transmitter for Water Wells

Flexible Cable, Radio Frequency



measuring
•
monitoring
•
analyzing

NRF-1W



- Flexible Cable Lengths up to 1000'
- Accuracy of $\pm 1\%$ of Span
- High Frequency Propagation Reduces Errors of Coating Media
- 3/4" NPT Stainless Steel Fitting
- PFA-Clad 3/32" Diameter Cable
- Flexible, Segmented, 1/2" Diameter Stainless Steel Cable Weight
- Non-Interacting Zero and Span Adjustment



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Description

The NRF-1W level transmitter is designed to measure water levels in ground pipes of 3/4" and larger. All wetted materials are PFA or 316 stainless steel. The flexible segmented weights enable easy installation around slight bends in pipes. The micro-processor based transmitter converts a change in capacitance into a linear, highly accurate 4-20 mA signal which is mounted in the enclosure. Optional remote mount electronics are available. The NRF-1W operates at a higher frequency than similar devices, up to 2 MHz max, minimizing the effects of coating media. The compact and advanced micro-processor based design makes installation and setup a simple task.

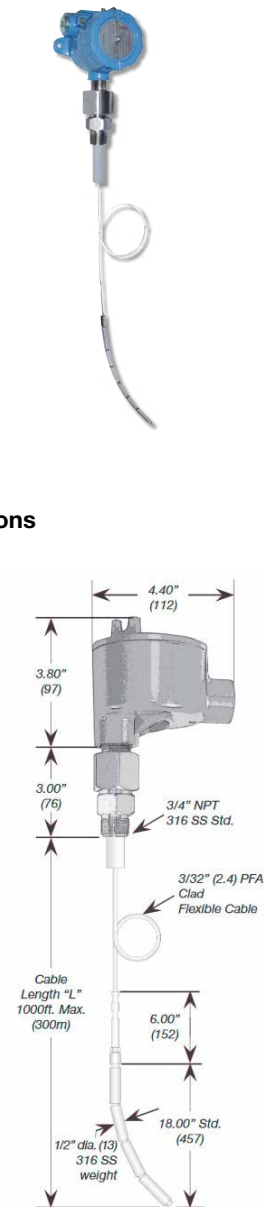
Applications

- Deep Well Level Measurement
- Water Storage Tanks
- Waste Water Treatment Plant
- Chemical Holding Tanks
- Monitoring Reservoir Levels

Specifications

Accuracy: ± 1% of Span (at Calibration Conditions)
Repeatability: ± 0.1% of Span (at Calibration Conditions)
Electrical Specifications
Input Power: 12-36 V_{DC}
Output: 4-20 mA, 2-wire
Max. Loop Res: (Vs-10) / 0.02 Ohm
Calibration: Via 4 Push-button Switches
Max. Length: 1000'
Wetted Materials
Fitting: 3/4" or 1-1/2" NPT, 316 SS
Cable: PFA-Clad
Weights: 316 SS
Temp. Range
Process: -100...350 °F
Ambient: -40...160 °F
Enclosures
Polyamide: NEMA 4/IP 65
Aluminum/SS: NEMA 4X/IP 66
Max. Pressure: 100 PSIG @ 70 °F
 50 PSIG @ 300 °F
 14 PSIG @ 350 °F

Dimensions



Order Details (Example: NRF-1W 1111)

Model	Enclosure	Fitting	Cable Type/Material
NRF-1W..	..1.. = Polyamide	..1*.. = 3/4" NPT, 316 SS	..11 = Single Cable, PFA-Clad
	..2.. = SS	..5.. = 1-1/2" NPT, 316 SS	..43 = Dual Cable, One 316 SS, One PFA-Clad
	..3.. = Aluminum		

Additional Information

Please Specify Desired Cable Length when Ordering as L = XX", ie. L= 1000"; Please complete online app guide.

* 3/4" NPT fitting is only available with a single cable