

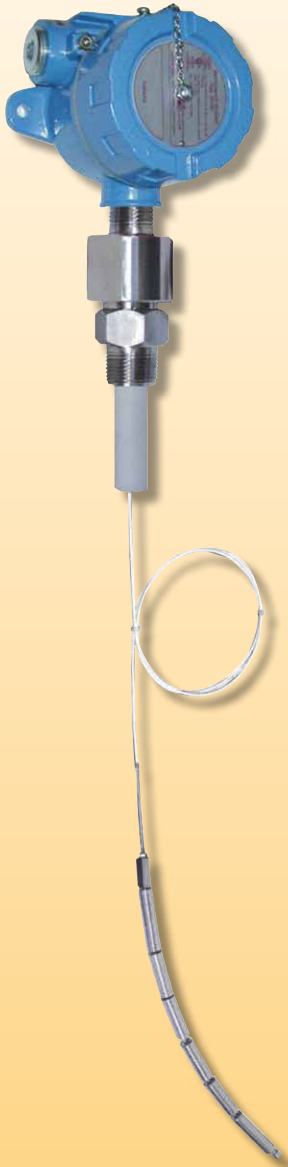
## Level Transmitter for Water Wells

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



Order from: **C A Briggs Company**

622 Mary Street; Suite 101; Warminster, PA 18974

Phone: 267-673-8117 - Fax: 267-673-8118

[Sales@cabriggs.com](mailto:Sales@cabriggs.com) - [www.cabriggs.com](http://www.cabriggs.com)

KOBOLD Instruments, Inc.  
1801 Parkway View Drive  
Pittsburgh, PA 15205



**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.

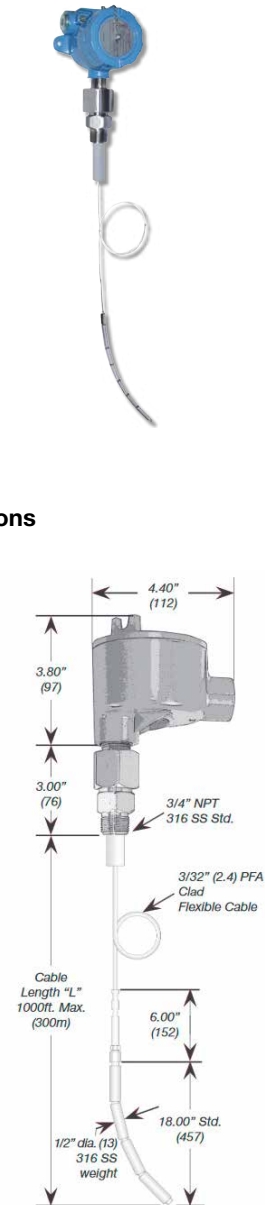
**Applications**

- 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<sub>DC</sub>  
**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