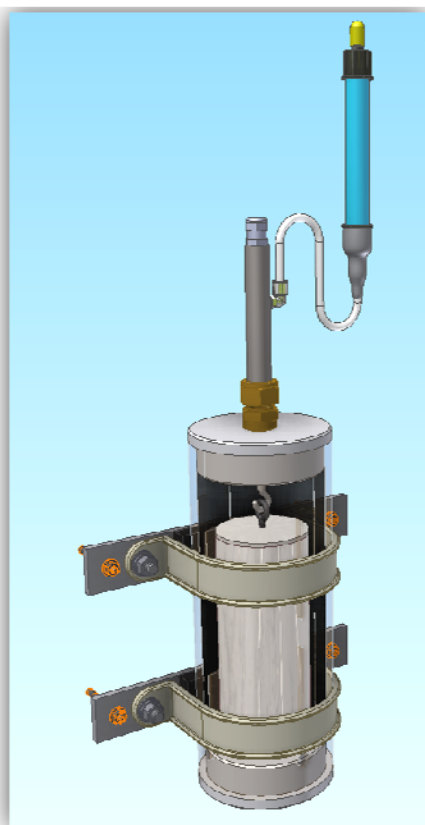


GENERAL DESCRIPTION

The NIVOLIC WL vibrating wire hydraulic level sensor is designed to detect water level changes. Combined with a weir, it allows for continuous monitoring of water flow and can be used for assessing performance of a dam during its filling and operation by monitoring leakage downstream.

TECHNICAL DESCRIPTION

The NIVOLIC WL consists of a chamber in which a cylindrical weight is suspended from a vibrating wire transducer. The cylinder hangs partially in the water which level has to be monitored. Changes in the water level of the chamber modify the buoyancy force acting on the weight, thus modifying the tension and the resonant frequency of the vibrating wire. A thermistor is integrated in the gauge, enabling measure of temperature.



APPLICATIONS

Measurement of water level in:

- Stilling wells
- Weirs
- Boreholes

FEATURES

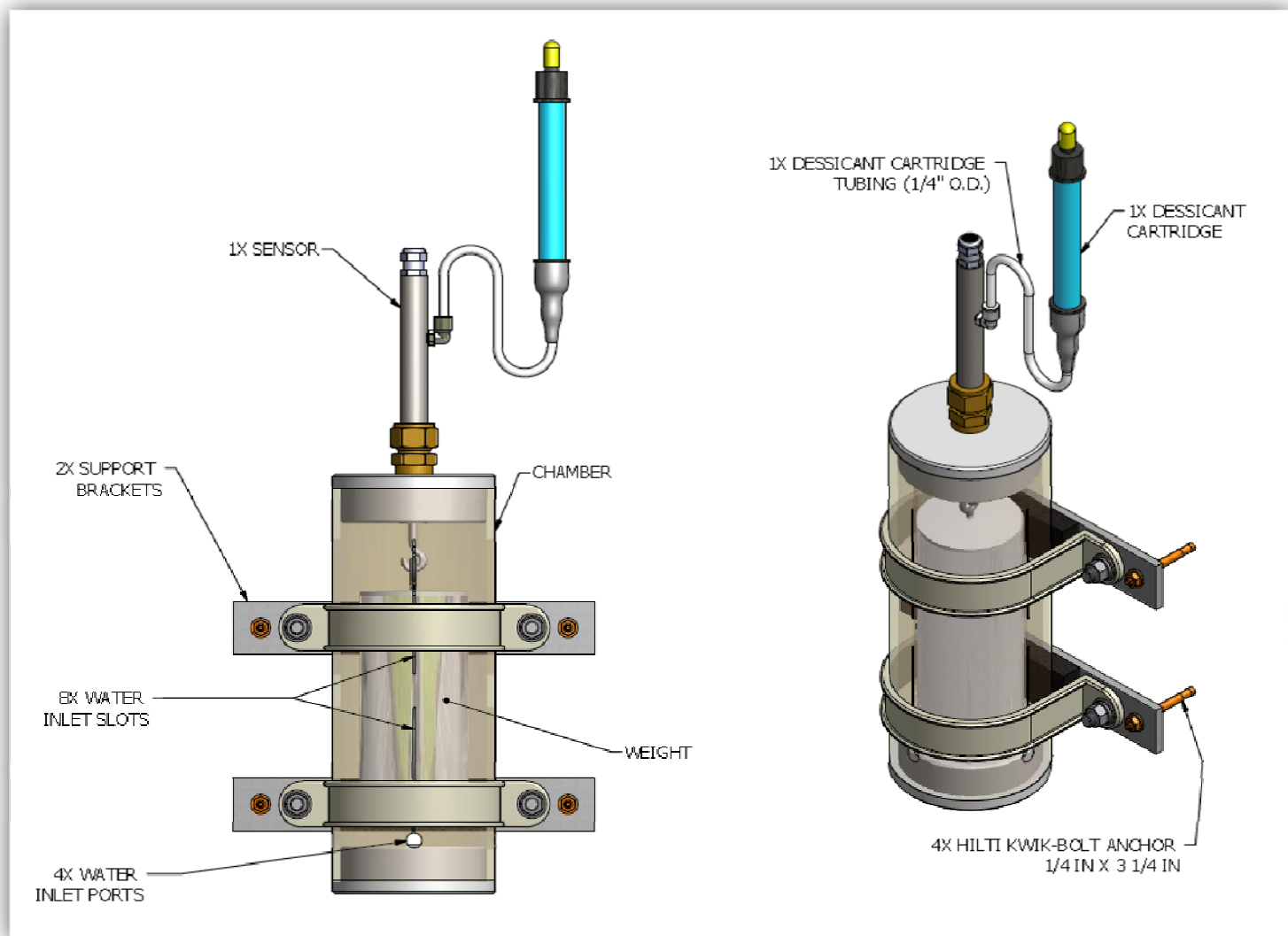
- Long-term reliability
- Frequency signal easy to process and transmit over long distances
- High accuracy and resolution

OPTIONAL ACCESSORIES

- Support bracket kit

ORDERING INFORMATION

- Range
- Type of cable
- Support bracket kit



SPECIFICATIONS

Range	100, 150, 300, 450, 600 mm
Accuracy*	±0.1% F.S. (each sensor is calibrated individually)
Resolution	- Vibrating wire: 0.02% F.S. (min.) - Temperature: 0.1°C
Fluid type	Water (optional antifreeze solution)
Cables	- IRC-41A: 2 twisted shielded pairs, 22 AWG, with drain wire, PVC jacket, 6.4 mm OD - IRC-41AP: Identical to IRC-41A except that jacket is made of polyethylene

* Achieved with polynomial regression