

<b>Office Use</b> Test Date _____
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IDAHO DEPARTMENT OF WATER RESOURCES  
**FLOW METER CERTIFICATION SUBMITTAL FORM**  
 Complete one form for each meter model submitted

**Submit this completed and signed form, along with a factory calibration curve for the tested meter, to the Idaho Department of Water Resources *prior* to the UWRL test date.**

**Meter Manufacturer:** \_\_\_\_\_

**Meter Model Name:** \_\_\_\_\_  
*(model name to appear on IDWR's Approved List)*

**Manufacturer Representative:** Contact Utah Water Research Laboratory (435-797-3214) five business days prior to testing if a manufacturer representative will be present during meter testing.

Name \_\_\_\_\_ Relationship to Manufacturer \_\_\_\_\_  
 Address \_\_\_\_\_ Phone \_\_\_\_\_  
 City \_\_\_\_\_ ST \_\_\_\_\_ Zip \_\_\_\_\_ E-mail \_\_\_\_\_

**Submitted Meter Information:**  Check here if installation of the meter(s) requires special fittings

**Power Supply:** *Primary input power required for transmitter/converter*  
 AC     DC     Internal battery\*     DC & Internal battery

**Note:** All meter power options of the same model must be tested separately. Meter models appearing on IDWR's List of Approved Closed Conduit Flow Meters are authorized for use only under the input power option(s) tested and passed in the lab.

**Meter Type:** *Select **only one** of the five available meter types*

Full-profile Electromagnetic    **OR**     Spooled Ultrasonic  
 (10" diameter required for testing)

Sensor Model No. \_\_\_\_\_ Sensor Serial No. \_\_\_\_\_

Available sensor sizes as of test date \_\_\_\_\_

Transmitter/Converter Model No. \_\_\_\_\_ Transmitter/Converter Serial No. \_\_\_\_\_

Is converter available in a remote (field) mount option?  Yes  No

Ultrasonic, Clamp On    **OR**     Ultrasonic, Wetted Transducer

Meter Model No. \_\_\_\_\_ Meter Serial No. \_\_\_\_\_

Transducer Frequency (Mhz) \_\_\_\_\_ Transducer Serial No. \_\_\_\_\_

**Meter Type, continued...**

**Small Diameter** (Meters manufactured in 2" diameter and smaller *only*.)

Meter Model No. \_\_\_\_\_

Size #1 (in) \_\_\_\_\_

Size #2 (in) \_\_\_\_\_

Meter Serial Numbers (five total):

Meter Serial Numbers (five total):

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Meter Settings and Input Power during Laboratory Testing:**

**Sampling Mode\***

Battery conservation = low sampling frequency \_\_\_\_\_

Calibration mode = high sampling frequency \_\_\_\_\_

Other \_\_\_\_\_

**Power Supply**

Specific meter input power supplied during testing  
(AC, DC, Battery voltage supplied) \_\_\_\_\_

**Sampling Frequency**

Samples per second \_\_\_\_\_

**Output Type**

Analog (4-20 milliamp: provide full scale value) \_\_\_\_\_

Digital (pulse output: provide count/unit measured) \_\_\_\_\_

**Meter Constant**

Post-factory meter constant \_\_\_\_\_

**Factory or User Adjustable Meter Settings**

Adjustable settings which can affect the meter battery life, accuracy or precision

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**Note:**

\* If the sole power supply for this flow meter is an internal battery and the meter manufacturer states the sampling mode to be used at the time of testing is "calibration mode", then the meter manufacturer must also state if this configuration is the factory standard setting. If this "internal battery/battery conservation" configuration it is not the factory standard setting, the flow meter must be tested in "battery conservation" mode.

**Attachments and Signature:**

**Calibration Verification**

Each meter submitted for testing shall not be calibrated beyond normal factory default calibrations. Each model must have a factory calibration curve submitted.

I certify that the meter(s) identified above submitted for the Idaho Department of Water Resources testing at Utah Water Research Laboratory is a representative sample of the model manufactured and sold to end users and has not been calibrated beyond normal factory default calibrations for this manufacturer.

\_\_\_\_\_ *initials*

**Release of Test Results by UWRL**

Utah State University's Utah Water Research Laboratory (UWRL), upon completion of laboratory testing of the flow meter(s) identified above, and pursuant to criteria specified by the Idaho Department of Water Resources (IDWR), will produce a written report of test results. This report will be used by IDWR to determine placement on IDWR's Approved Flow Meter List, in accordance with IDWR's Minimum Acceptable Standards for Open Channel and Closed Conduit Measuring Devices.

I give the UWRL permission to release a written report of test results to IDWR pursuant to IDWR's testing criteria for flow meters and the meter identified above.

\_\_\_\_\_ *initials*

\_\_\_\_\_  
Manufacturer Representative Name (Print)

\_\_\_\_\_  
Manufacturer Representative Signature

\_\_\_\_\_  
Date

**Submit this form and attachments to:**

Idaho Department of Water Resources  
c/o Brian Ragan  
PO Box 83720  
Boise, ID 83702-0098

OR email to:  
[brian.ragan@idwr.idaho.gov](mailto:brian.ragan@idwr.idaho.gov)  
Phone: 208-287-4800

**A copy of this form and all attachments should accompany the meters submitted for testing. Meters must be shipped to Utah Water Research Laboratory, 1600 Canyon Rd, Logan UT 84321**