TECH NOTES

F-1000 Series Turbine Flow Meters

ONICON
Flow and Energy Measurement
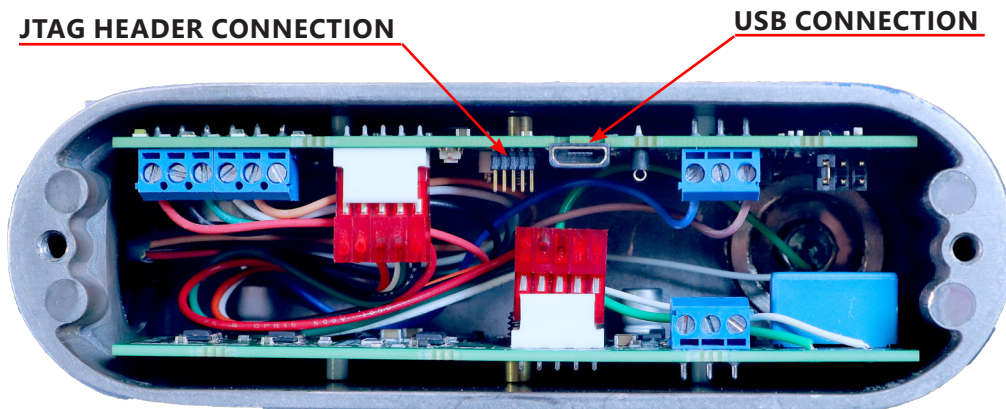
BLUETOOTH® INSTALLATION INSTRUCTIONS

OVERVIEW

ONICON's F-1000 Series Turbine Flow Meters can be easily updated in the field with the Bluetooth interface*. Bluetooth enables wireless access to real-time data for fast commissioning and advanced diagnostics.
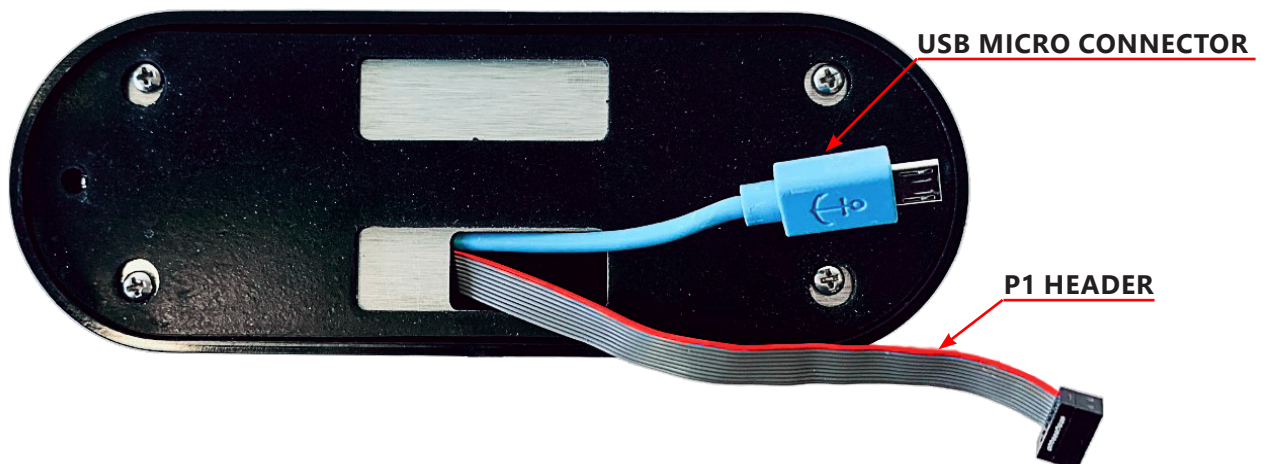
TOOLS REQUIRED

• #2 Phillips Head Screwdriver

F-1000 SERIES ENCLOSURE DIAGRAM

JTAG HEADER CONNECTION   **USB CONNECTION**

BLUETOOTH COVER DIAGRAM

USB MICRO CONNECTOR

P1 HEADER

*for meters shipped after March 2016

F-1000 Series Turbine Flow Meters
BLUETOOTH® INSTALLATION INSTRUCTIONS

INSTALLATION PROCEDURE

CAUTION
Do not make cable connections while the flow meter is powered. Confirm connection is correct before applying power to the flow meter.

IMPORTANT NOTES
The clearance required for insertion meter installations with the Bluetooth cover is 25.5" – 38.5" from the pipe wall to the nearest obstruction above the valve assembly. This clearance dimensions will increase with large diameter pipes.

Allow at least 8.5" of clearance for inline meter installations with the Bluetooth cover.

1. Disconnect the power.
2. Use a #2 Philips head screwdriver to loosen the electronics enclosure screws.
3. Remove the enclosure cover and replace with the Bluetooth cover.
4. Connect the Micro USB connector located on the Bluetooth cover into the USB connection inside the meter's electronics enclosure.
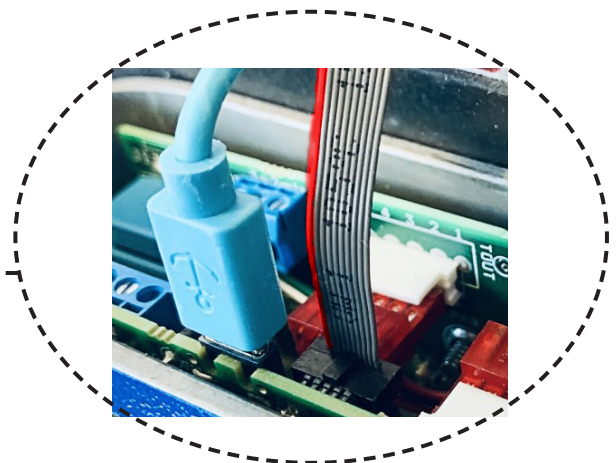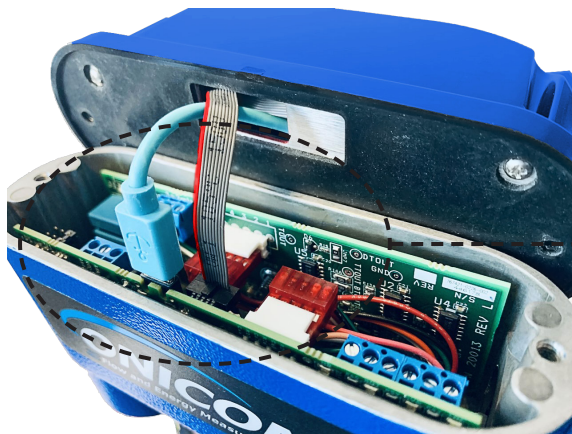
WARNING
The Micro USB connector inside the turbine meter enclosure can be easily damaged if the cable is not plugged straight into the connector. Please ensure the cable is only pushed straight in or pulled straight out.

5. Connect the P1 header connector located on the Bluetooth cover into the JTAG header connection inside the meter's enclosure.

IMPORTANT NOTE
Ensure the P1 header connector is connected in the correct position or the Bluetooth connectivity will be affected. See image below.

6. Use a #2 Phillips head screwdriver to tighten the electronics enclosure screws.
7. Reconnect the power.
8. Refer to the F-1000 Series Quick Start Guide and F-1000 Series Utility Installation and Operation Guide for further instructions to wirelessly transmit real-time meter data directly to a PC.

If you have any questions or need assistance with the installation, please contact ONICON Technical Support at (727) 447-6140 or techsupport@onicon.com.

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