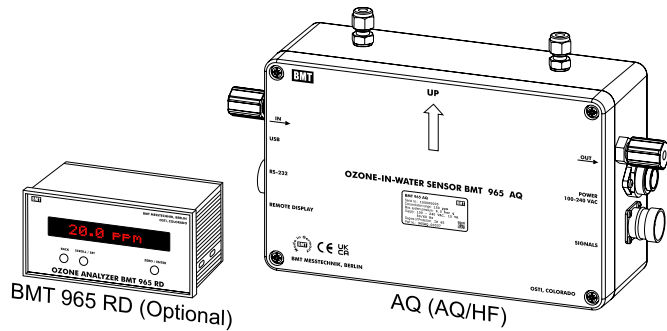


BMT 965 AQ Series Quick Installation Guide

BMT

This Installation Guide is intended to provide a quick overview of the main steps involved in the mounting, DI water and electrical connections, and initial operation of the BMT 965 AQ (and AQ/HF) models.

The User Manual should be consulted for additional information where needed.



Mechanical

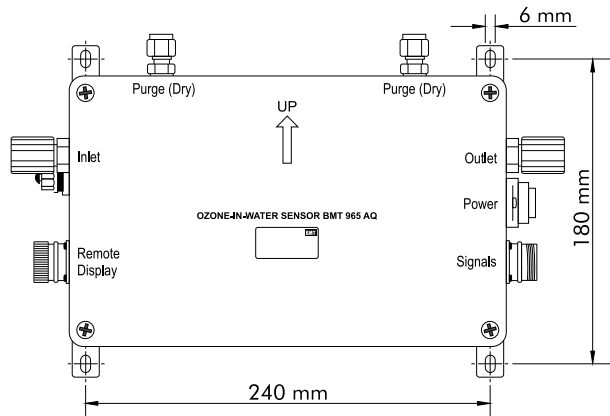


Figure 1

Attach brackets to back of enclosure as shown (*do not over tighten screws*¹). Then mount instrument with the arrow on the cover pointing upwards, and below main water line. See Figure 1 for mounting hole dimensions.

Allow sufficient clearance around enclosure for access to fluid, power, signal, and purge (dry) connections (see Figure 2).

¹ Maximum torque used to fasten the mounting brackets: 5 Nm (3.7 ft-lbs)

DI Water

The **vent** configuration shown in Figure 2 is recommended, though the **bypass** configuration can also be used.

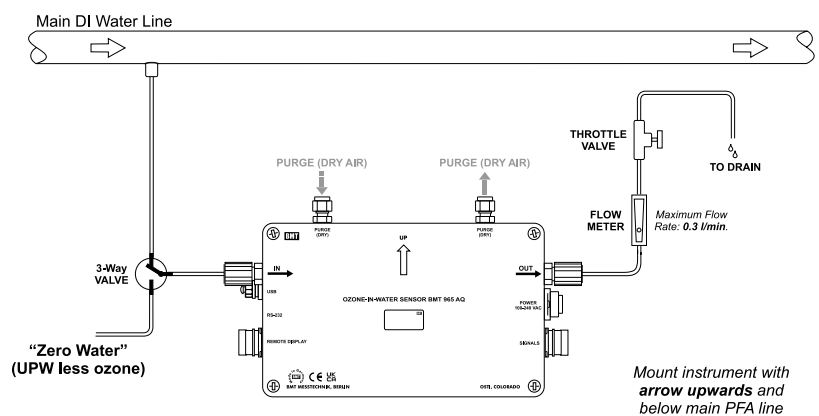
In either configuration, locate flow meter and throttle valve *after* the instrument to reduce the risk of outgassing due to pressure drops upstream of the instrument.

Do not exceed **Maximum Flow Rate of 0.3 l/min**

If bubbles in cuvette are suspected, change flow rates up, then down quickly to move bubbles out of cuvette.

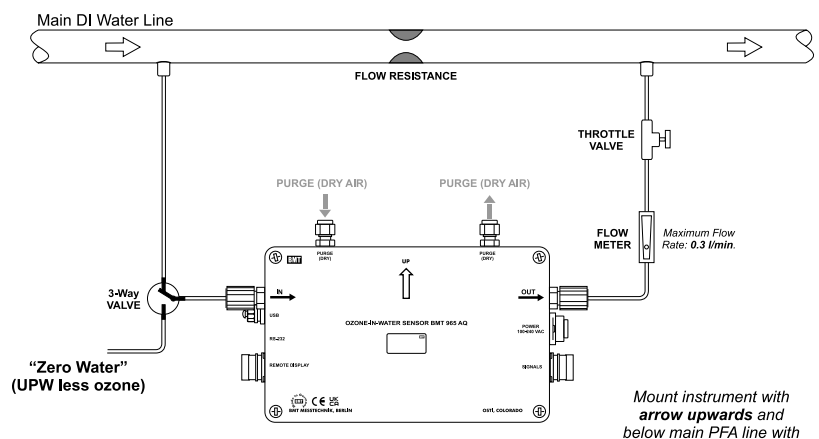
If process water temperature is below ambient, ventilate housing with clean, dry air or nitrogen at a flow rate of 0.2 l/min to prevent condensation from occurring inside enclosure.

Vent Configuration (recommended)



Mount instrument with **arrow upwards** and below main PFA line

Bypass Configuration



Mount instrument with **arrow upwards** and below main PFA line with

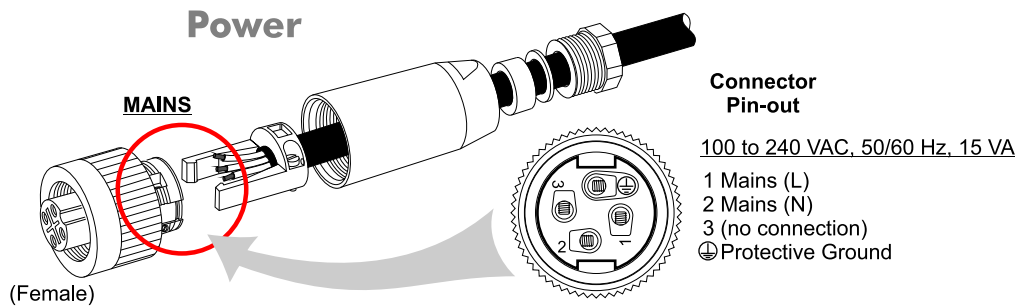
Figure 2

(Examples only)

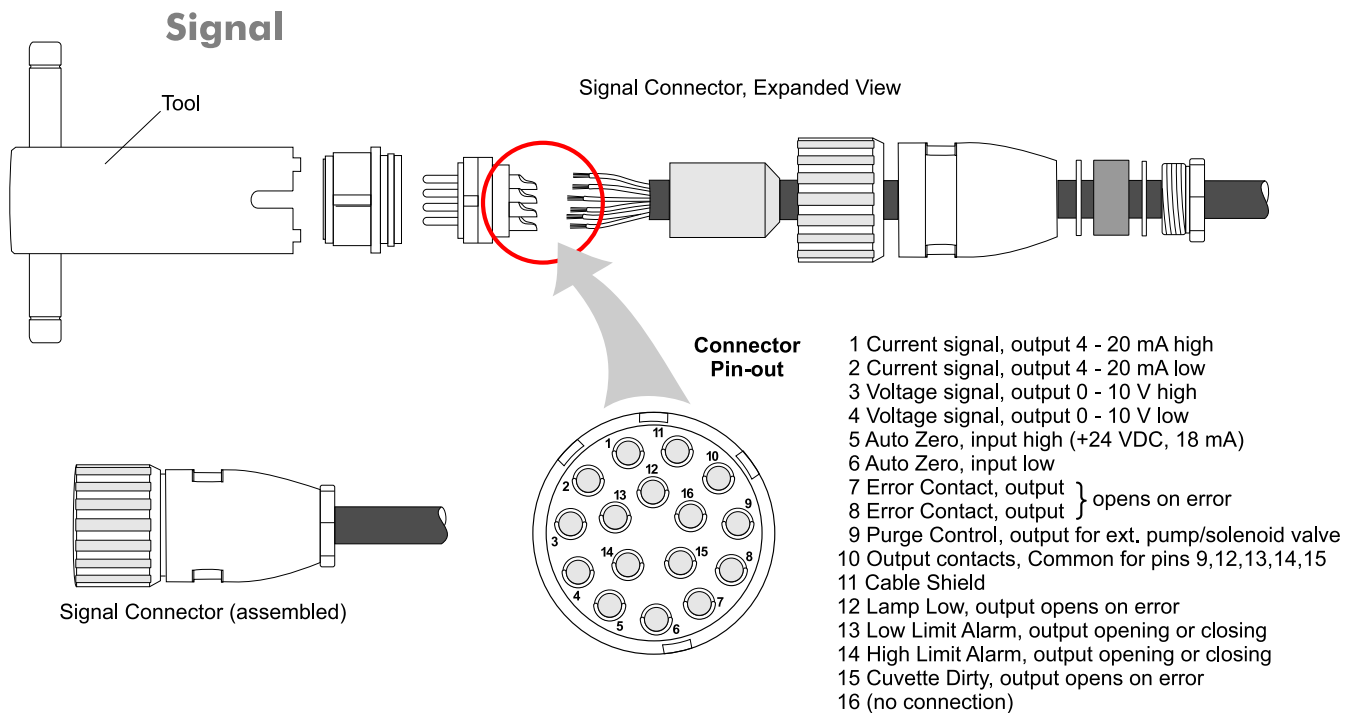
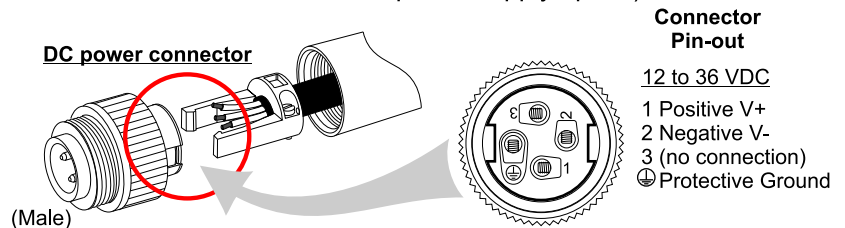
Continued on reverse side

Power / Signal

Provided with this instrument are the necessary power and signal connectors. Below are wiring diagrams.



(Alternative for Instruments with DC power supply option)



Start-Up/Commissioning

With mounting, DI water, and signal connections made, apply power to instrument. Run clean water **with zero ozone content** through sensor making sure cuvette is clear of all ozone and bubbles as previously noted. After warm-up, initiate zeroing via Zero button on Remote Display (if available), pins 5 & 6 on signal connector, or LINK software.