OXYvisor Oxygen Analyzer | Fiber Optic Cable Junction Box (J-Box) Installation

Product(s): *Optical Oxygen Analyzers – FlexSense I and II, FiberSense, SafeTap II Sensors*
Model(s): *OXYvisor Analyzer*
P/N(s): *BOA-xyz (all models) and BOSx (all models)*
Reference Material(s): *OXYvisor - Installation, Operation & Maintenance Manual*

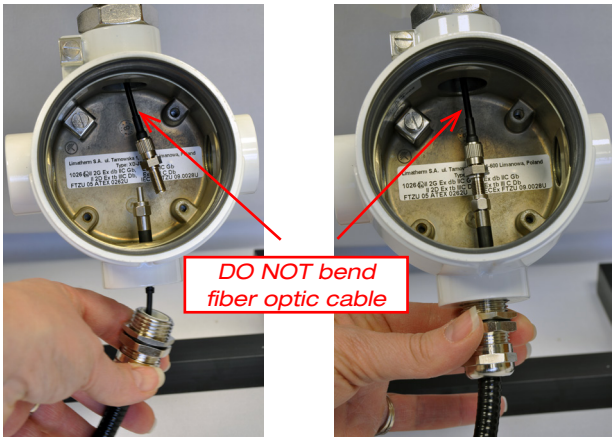
Summary:

1. Installation of the optical fiber and temperature compensation leads are recommended to be done prior to installing the wand assembly into the sensor body at the flow cell or the SafeTap body assembly to mitigate torsion to the fiber optic cable. The BOSx sensor must come in from the bottom of the J-box, and the 1/2" conduit gland threaded into the J-box entry before connecting smaller SMA connections within J-box (may need to line up SMA connection to coupler first--see images below)

2. Inside J-box, FINGER-TIGHTEN the nut of the BOSx Sensor SMA connection to the bottom of the SMA coupler via the bottom entry of the OXYvisor to avoid bending, which may cause damage. Do not turn the fixed knurled nut of Analyzer SMA connection

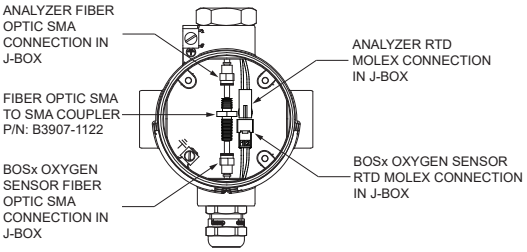
3. Temperature compensation may be a Molex-connection RTD integrated with the BOSx SafeTap II wand assembly, a Molex-connection external (separate) RTD, or external RTD wired into the back of the analyzer (see OXYvisor IOM for wiring). Area classifications determine which RTD installation method is required

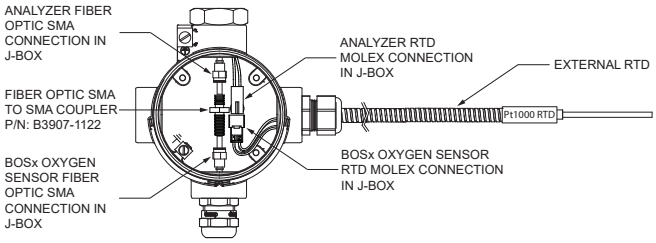
Typical Install at OXYvisor Analyzer



The fiber optic connection must come in from the bottom of the OXYvisor Oxygen Analyzer J-box, as shown in the above photos. Finger-tighten the BOSx Oxygen Sensor Fiber Optic SMA connector nut to the bottom of the SMA Coupler.

Integral RTD example





External RTD example

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