

Sensor Handling S.O.P.

Rationale and Instructions

Version: 2.0

Effective Date (MM/DD/YYYY): 09/28/2023

1. Review the manual of the sensor model and other hardware that you plan to use prior to setting up and running an experiment.

- [PCB 113B28](#)
- [PCB 113B22](#)
- [PCB 102B04](#)
- [PCB W138A05](#)
- [PCB 482C05](#)



<https://www.pcb.com/products?m=113b28>



<https://www.pcb.com/products?m=482c05>

- No tension on blue wires.
- **UNDEX: Shield blue wires with pipes**
 - **See next slides for S.O.P.**
- UNDEX: Keep away from the cavitation zone
 - Suggested rule of thumb is 2-3 x bubble or implodable \emptyset
- Feedthrough: Hand tighten or use torque wrench



<https://www.pcb.com/products?m=138a10>



Torque wrench attachment for feedthrough

UNDEX Sensor SOP

Tube dimensions

Length: 36 in.

Outer \varnothing : 0.5 in.

Wall thickness: 0.035 in.



1. Feed sensor through pipe.

- a. Only expose the transparent tubing portion of the sensor.
- b. Ensure that the coaxial connector is shielded.

UNDEX Sensor SOP

2. Secure the sensor wire to the pipe with zip ties.

3. Secure the pipe to fixturing with zip ties.

