

# Gas Pressure Sensor

## Instruction Sheet

The sensor is used with the CPO DataCollector to measure & monitor vapor pressure of fluids (gases and even some liquids\*). The CPO Gas Law Kit may also be used in conjunction with the Pressure Sensor and DataCollector.

\* Only use water. Please use with caution.

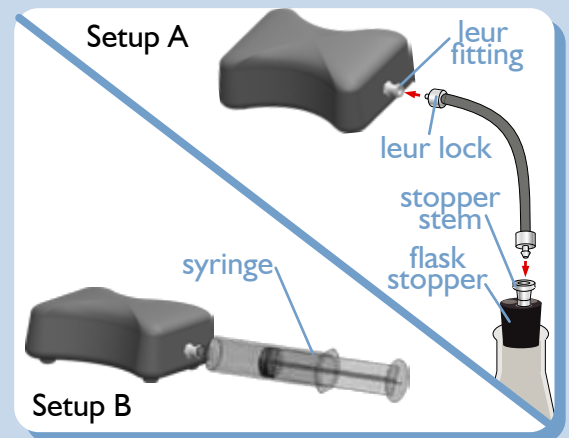
### Setup Instructions

#### Setup A:

1. The white stem on the end of the Gas Pressure sensor is called the luer fitting. The tubing has a threaded fitting called the luer lock. With a gentle half-turn, tighten the lock onto the luer fitting.
2. Connect the other luer lock to a stopper stem.
3. Insert the stopper stem into the flask stopper.
4. Insert the flask stopper into a flask to create an airtight container to investigate a confined gas.

#### Setup B:

1. Attach the syringe directly to the Gas Pressure Sensor. Twist the syringe onto the luer fitting of the sensor.



### Specifications

- Working range: 0 to 650 kPa (0-95 psi)
- Instrument Limit: 2800 kPa (406 psi)
- Response time: 1 millisecond

### General Instructions

1. Connect the Gas Pressure Sensor to the CPO DataCollector.
2. Turn on the CPO DataCollector.
3. The CPO DataCollector will identify the Gas Pressure Sensor and load a default data-collection setup appropriate to the recognized sensor.
4. You are now ready to collect data.

**Note:** Pressure can be measured in many different units. You can select alternative units by modifying the settings of the CPO DataCollector.