



Code LOG3093	Measuring Range 0-110kPa absolute / 0-33in Hg / 500-12,000m altitude	Pack Each	Price £81.74
------------------------	--	---------------------	------------------------

1. Gas Pressure Sensors, Absolute

These two sensors measure the total pressure on a system. When the single port is left open, then the sensor measures the atmospheric pressure. However, when the sensor is connected to a sealed system, then it adds the system's pressure effect (negative or positive) to the atmospheric value. Can also be used as an altimeter.

Applications include:

- Atmospheric pressure measurements
- Altimeter
- Vapour pressure of liquids
- Gas laws



2. Gas Pressure Accessory Pack

A selection of tubing elements and valves which will allow the user to make gas tight connections to a SmartQ gas pressure sensor.

This pack contains:

- 1 x 1m PVC tube – 3mm bore x 1mm wall thickness
- 1 x 1m of nylon pneumatic tube – 4mm O.D x 2.5mm I.D
- 4 x large pipette tip
- 4 x small pipette tip
- 1 x straight push fit connector
- 1 x tee piece push fit connector
- 2 x 3-way stop cocks
- 1 x 20mL syringe

Code LOG3444	Pack Each	Price £24.52
------------------------	---------------------	------------------------

3. Heart Rate & Pulse Waveform Sensor

Pupils of all ages are keenly interested in how physical and mental stress affects their heart rate. The sensing clip (pleth) can be attached to a finger or earlobe to measure either blood flow (pulse waveform) or heart rate (beats per minute).

It works best if the test subject keeps their finger with the sensing clip absolutely still.

Ranges:

- 0 - 200 beats per minute
- ± 2000 mV waveform

Applications include:

- Heart rate changes due to activity
- Recovery rate
- Pulse rate
- Effects of food (chocolate) or mild stimulants (caffeine)
- Effect of music on pulse rate
- The effect of the strictest teacher entering the room!

Code LOG3105	Pack Each	Price £88.83
------------------------	---------------------	------------------------

