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DATA HARVEST

5

YEARS



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. LOG3093 can also be used as an altimeter.

Applications include:

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

Code	Description	Measuring Range	Pack	Price
LOG3093	Gas pressure sensor – absolute, barometer, altimeter	0–110kPa absolute / 0–33in Hg / 500–12,000m altitude	Each	£90.00
LOG3090	Gas pressure sensor – absolute 700kPa	0–700kPa absolute / 0–100psi	Each	£90.00

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2. Gas Pressure Sensors, Differential

These sensors measure the differential pressure between two ports. If one is left open, measurement will be relative to atmospheric pressure. Blowing into one port will produce a positive value, whereas blowing into the other port will produce a negative value.

Applications include:

- Experiments involving a manometer
- Breathing rate (with breathing rate belt LOG3462)
- Production of gases in an enclosed atmosphere during photosynthesis of an aquatic plant
- Osmosis investigations
- Rate of transpiration investigations

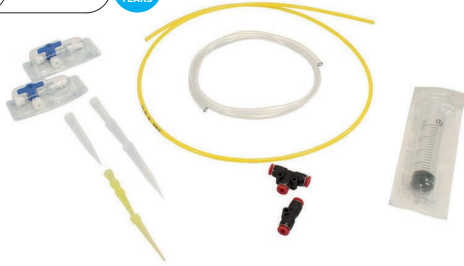
Code	Description	Measuring Range	Pack	Price
LOG3099	Gas pressure sensor differential 200kPa	±200kPa / ±30psi	Each	£90.00
LOG3096	Gas pressure sensor differential 10kPa	±10kPa / ±1.5psi	Each	£90.00

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3. 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 – 3 mm 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	Pack	Price
LOG3444	Each	£27.00

Need a Demo?

Please get in touch and we'll do all we can to accommodate your request. **T: 0115 982 2022**