

1 DATA HARVEST 5 YEARS



## 1. Bluetooth Wireless Oxygen in Air Sensor

This can be used to measure how the amount of  $O_2$  varies in the classroom and the variation of the rate of production in photosynthesis and respiration of small organisms such as microbes and maggots. Particularly useful with the wireless  $CO_2$  sensor, the gaseous exchange of a burning candle in a bell-jar can be measured and with no wires to attach, it is much easier. A Nalgene bottle, into which it fits, is included to create a contained environment for study of plants and small animals. For gaseous use only - not for use in water.

Code	Pack	Price
LOG1300	Each	£289.00

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## 2. Bluetooth Wireless Dissolved Oxygen Sensor

The oxygen sensor uses an electrode of the polarographic (Clark cell) type. This electrode is used in combination with the oxygen adaptor to form the dissolved oxygen sensor for measuring oxygen levels in water. The anode and cathode are immersed in electrolyte and separated from the sample by a semi-permeable membrane. The oxygen permeability of the membrane is temperature dependent. This variation in permeability is automatically compensated by a temperature compensation thermistor over the 5 to 45°C operating range.

Code	Pack	Price
LOG3098	Each	£321.00

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## 3. Bluetooth Wireless Humidity Sensor

The warmer the air is, the more water vapour it can 'hold'. Humidity is an expression used to describe the amount of water vapour present in air. This sensor measures water vapour content relative to the ambient temperature.

Code	Pack	Price
LOG3092	Each	£136.00

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## 4. Bluetooth Wireless Charge Sensor

The charge sensor can be used in many electrostatic experiments to measure the charge on a source when it's very small. It can replace a traditional gold leaf electroscope by showing not only the charge polarity (positive or negative) but also the quantity of charge. In addition the sensor can function as a high-resistance accurate voltmeter to measure the potential difference between two points.

Code	Pack	Price
LOG3076	Each	£154.00

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## 5. Bluetooth Wireless Conductivity Pack

The conductivity sensor is used to measure the conductivity of a solution. For most water solutions, the higher the concentration of dissolved salts, and therefore more ions, the higher the conductivity. Low conductivity will indicate an absence of ions and therefore purity of water. The conductivity adaptor must be used together with a conductivity electrode, this pack combines these two products which can also be purchased separately.

Code	Pack	Price
LOG3086	Each	£155.00