1. Colorimeter Sensor

The LogIT colorimeter is an easy to use sensor which has a three colour solid-state LED light source of known red, green and blue bandwidths which are passed through the sample and measured by a visible light level sensor.

Range:

- Transmittance range: typically 0.0 to 110.0%T
- Absorbance range: 0.05 to 1.05Abs

Applications: the basic principle of colorimetry is to measure the absorbance of a coloured solution to different colours of light shone through it as this has a direct relationship with its mole concentration (e.g. Beer's law and Lambert's law).

Code	Pack	Price
LOG6166	Each	£121.43

1 LogIT world



2. Humidity Sensor HumiPro

An extended range humidity sensor in a robust aluminium casing, for applications requiring a fast response with high accuracy and resolution over the entire 0 to 100% relative humidity range (non-condensed).

- Range: 0 to 100% relative humidity
- Nominal accuracy: ±4% over 1 to 80% range
- Response time: 90% of response for 70% step change <1.5 seconds
- Temperature range: -20 to 80°C

Applications: rate of transpiration and humidity, environment studies (weather), moisture in breath, moisture from burning fuels. Often used with a sensor extension lead.

Code	Pack	Price
LOG6168	Each	£121.95

2 LogIT world



3. Radioactivity Sensor

Radioactivity sensor to measure the intensity of radioactive sources. A very sensitive radioactivity sensor which can measure alpha, beta and gamma emissions. With low power battery feature for long term half life experiments.

- Dual ranges: counts per second or counts per minute
- Range: 32000 counts per second

Applications: half life measurement, radioactive decay, general radiation detector.

Code	Pack	Price
LOG6170	Each	£351.95

3 LogIT world



4. Pressure Sensor

A versatile and compact sensor for measuring and sensing absolute air pressure, including barometric pressures. Units and scale in standard SI form of kPA (kilopascal).

- Range: 0 to 200kPA (approx 30psi)
- Nominal accuracy: ±9%

Applications: gas laws - pressure/volume/temperature, fermentation, rates of reaction involving gas.

Code	Pack	Price
LOG6172	Each	£103.95

4 LogIT world

