

1. Light Level Sensor

This 5 range sensor cleverly measures light levels from 0 through to 100,000 Lux.

Four of the ranges are for general purpose use as they have filtering incorporated to eliminate the unwanted effects of modulation from room lighting (50Hz).

The fast response range has no filtering and will clearly show the modulation on an incandescent or fluorescent light. Point the sensor at a computer monitor to observe its refresh time.

Applications include:

- Centripetal force in a pendulum
- Inverse square law
- Environmental monitoring
- Colorimeter experiments
- Yeast growth
- Absorption of light
- AC modulation

Code	Pack	Price
LOG3120	Each	£79.00

2. Light Gate

The SmartQ Light Gate is a digital switch-type sensor that has two states, ON and OFF. The light gate has an infrared transmitter and receiver that detects objects passing through the 'gate'. Light gates can be used singly or in pairs for time, speed, velocity and acceleration measurements.

Make the most of light gates by using them with the dynamics system and the Interrupt card set.

Applications include:

- Dynamics experiments that involve calculating time, speed, velocity, acceleration using an inclined plane or air track
- Acceleration due to gravity
- Pendulum investigations
- Measuring the time period of an oscillating body
- Impulse and change in momentum
- Centripetal force in a pendulum

Code	Pack	Price
LOG3117	Each	£59.00

Need a Demo?

Please get in touch and we will do all we can to accommodate your request.

Contact the team today:
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science2education.co.uk/contactus

