

Product Information Sheet

Light Sensor



Our range of science experiment kits will equip you with all you need to carry out each of the practical experiments included in your LJ Create science program.

The kits can be used for teacher demonstration, individual student, or group activities.

The Data Logging equipment has been produced for ease of use in a wide range of science and technology applications.

A light sensor that is balanced to the human eye spectral response. 5 ranges to cover 0 -100,000 lx and a transmission range for home-made colorimeters. One of the essential sensors for data logging.

The sensor can be used in a range of teaching applications, including:

- Inverse square law
- Start up current of light bulb
- a.c. and d.c. lighting
- Reflections
- Colorimetry
- Photosynthesis and light intensity

Sensor Specifications:

- 0 -1,000 Lx suitable for interior and lab lighting work.
- 0 -10K Lx Suitable for strong local light sources e.g. bench lamps.
- 0 - 100K Lx Suitable for most outside light
- 0 - 1000 Lx Fast for low light sources where intensity is changing rapidly

Examples of some extension and advanced ideas include:

- Variation of light intensity in young's slit diffraction
- Hours of daylight
- Incident light vs. season / angle
- Polarizers

Items Included:

- Light Level Sensor

Other Items Required:

- Data logger (520-01)

General Information:

Packed Volume: Approx. 0.0001 m³

Packed Weight: Approx. 0.1 kg

Order Code: 520-05

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For more information visit www.ljcreate.com