

## Product Information Sheet

### Smart Sensor Data Logging Kit Complete



The Smart Sensor Data Logging Kit Complete has been designed for ease of use in a wide range of science and technology applications.

This package includes a range of Smart, Wireless Bluetooth Sensors that also function as data loggers in their own right.

#### Wireless Sensors Include:

- **Force Smart Sensor** - A combination of both a force sensor and 3-axis accelerometer.
- **Heart Rate Sensor** - Used to continuously monitor the heart rate at rest and after exercise.
- **Light Gate Smart Sensor (Double)** - Calculate average speed, acceleration, momentum and more.
- **Light and Color Smart Sensor** - Measures the level of light in the visible spectrum.
- **Magnetic Field Smart Sensor** - Used to explore the nature/strengths of magnetic fields of magnets.
- **Motion Smart Sensor** - A sonar device that can work out the velocity or acceleration of an object.
- **Sound Smart Sensor** - Accurately measures sound pressure level in decibels.
- **Temperature Smart Sensor** - Can be used wherever you would use a traditional glass thermometer.
- **Colorimeter and Turbidity Smart Sensor** - Measures the amount of light penetrating a solution so can be used for investigations which result in a change of color.

Bluetooth wireless connectivity allows users to connect the sensors to tablets, mobile phones, laptops and desktops.

Every sensor is pre-calibrated and ready to use out of the box - providing you with a robust, accurate and repeatable teaching experience from the start.

#### Items Included:

- Wireless Force Smart Sensor (521-02)
- Wireless Heart Rate Sensor (521-03)
- Wireless Light Gate Smart Sensor - Double (521-04)
- Wireless Light and Color Smart Sensor (521-05)
- Wireless Magnetic Field Smart Sensor (521-06)
- Wireless Motion Smart Sensor (521-07)
- Wireless Sound Smart Sensor (521-08)
- Wireless Temperature Smart Sensor (521-09)
- Wireless Colorimeter & Turbidity Smart Sensor (521-10)
- Data Logging Storage Container (521-11)

#### Other Items Required:

- Windows PC or mobile device
- LJ Create STEM Content (recommended)

#### General Information:

Boxed Dimensions (W x D x H):  
405 x 270 x 145 mm / 11 x 59 x 6 inches  
Boxed Volume: Approx. 0.02m<sup>3</sup> / 0.56ft<sup>3</sup>  
Boxed Weight: Approx. 2kg / 4.5lb

**Order Code: 521-00**

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