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The image shows a white, rectangular Bluetooth Wireless Motion Sensor (LOG3034) with a large circular speaker grille on the front and a blue label with the Data Harvest logo and product code.

1. Bluetooth Wireless Motion Sensor

The motion sensor is a sonar device that emits ultrasonic pulses which are reflected to and from an object to determine its distance from the sensor. That information can be used to work out the velocity or acceleration of the object. It will capture the motion of running students, falling basketballs and carts on inclined planes. This sensor will work well with the dynamics system.

Ranges:

- Distance
- Time

Code	Pack	Price
LOG3034	Each	£170.44

2. Bluetooth Wireless Rotary Motion Sensor

This multi range sensor is a must for every Physics department. It is highly accurate with an extremely low friction bi-directional position sensor capable of measuring a variety of motions including: pendulum, angular, rotational, distance moved by an object.

Ranges:

- Angular position and velocity
- Distance
- Pendulum

Code	Pack	Price
LOG3038	Each	£245.00

3. Bluetooth Wireless Spirometer Sensor

The spirometer measures air flow by pressure drop across a reference flow resistance whilst the user breathes. It is portable, small, compact and needs no special gases or water. The spirometer sensor comes complete with a starter pack of 4 filters, a circular mouth guard and nose clip. One filter is left fixed as a pressure divider, the other three are for use by test subjects. For educational / demonstration use. Not suitable as a diagnostic tool or for medical use.

Code	Pack	Price
LOG3100	Each	£272.43

4. Bluetooth Wireless Force Sensor Accelerometer

This sensor is a combination of both a force sensor and 3 axis accelerometer. The force range measures compression and extension forces applied. Supplied with a clamping screw for attaching to a stand or the dynamics system, a hook for simple harmonic motion investigations and bungee jumping, stops for investigating a carts collision with the sensor. Finger grips form part of the sensor, perfect for muscle fatigue testing. The sensor includes a 3 axis accelerometer that measures acceleration force, both static and dynamic and a 3-axis gyroscope for applications where a high performance angular motion sensor is needed.

Ranges:

- $\pm 100\text{N}$
- 3 axis accelerometer
- 3 axis gyroscope

Code	Pack	Price
LOG3040	Each	£169.49

2   

The image shows a white, square Bluetooth Wireless Rotary Motion Sensor (LOG3038) with a circular platform on top and two long, thin, spiral-shaped arms extending from the sides.

3   

The image shows a blue and white Bluetooth Wireless Spirometer Sensor (LOG3100) with a circular mouthpiece and a blue plastic housing.

4   

The image shows a white and blue Bluetooth Wireless Force Sensor Accelerometer (LOG3040) with a blue top panel and a white base.