

## ARD 2 Arduino Compatibles

Controllers, Shields, Modules & Sensors

### Load Cell Sensor

ARD2-215X

- Measure force for your DIY project
- Ideal for use with the ARD2-2150 Load Cell Amplifier

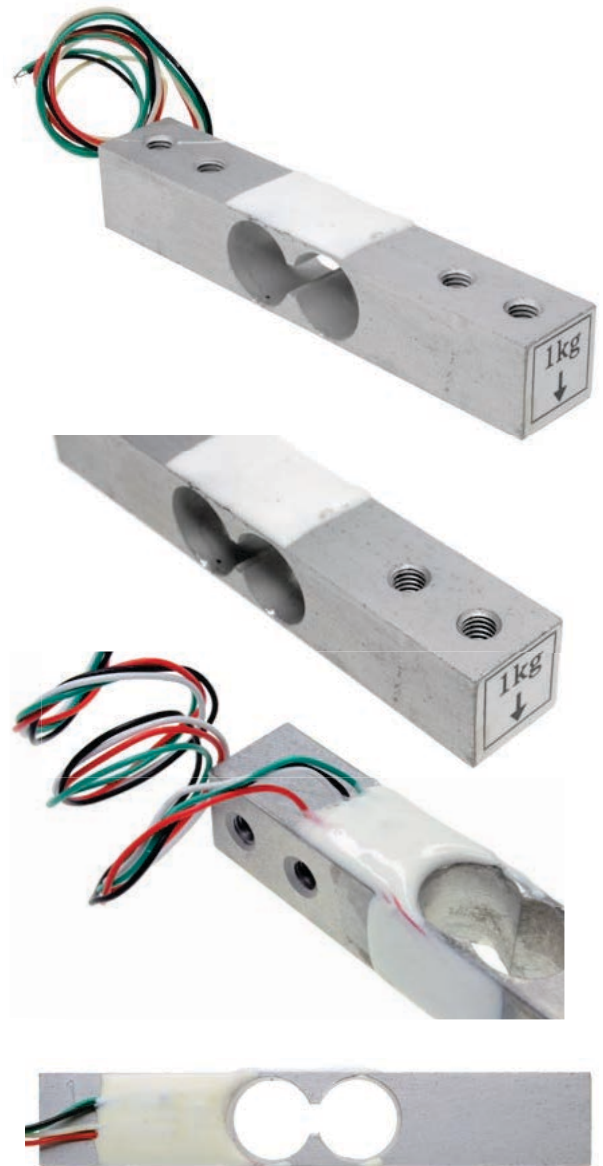
#### Description

This straight bar load cell (sometimes called a strain gauge) can translate up to 1kg of pressure (force) into an electrical signal. Each load cell is able to measure the electrical resistance that changes in response to, and proportional of, the strain (e.g. pressure or force) applied to the bar.

With this gauge you will be able to tell just how heavy an object is, if an object's weight changes over time, or if you simply need to sense the presence of an object by measuring strain or load applied to a surface.

#### Specifications

<b>Rated Load</b>	1kg
<b>Working Voltage</b>	3~12VDC
<b>Max. Working Voltage</b>	15VDC
<b>Rated Output</b>	1.0±0.15mV/V
<b>Nonlinearity</b>	0.03%F.S
<b>Lag</b>	0.03%F.S
<b>Repeatability</b>	0.03%F.S
<b>Creep (5 min)</b>	0.03%F.S
<b>Output temperature influence</b>	0.01%F.S/C
<b>Zero temperature influence</b>	0.05%F.S/C
<b>Zero balance</b>	±0.1000 mV/V
<b>Output impedance</b>	1000±10% Ohm
<b>Input impedance</b>	1115±10% Ohm
<b>Insulation resistance</b>	1000 MOhm
<b>Safe overload</b>	150%F.S
<b>Extreme overload</b>	200%F.S
<b>Working temperature</b>	-20~+60°C
<b>Dimensions</b>	80mm x 12.7mm x 12.7mm



PRODUCT CODE	RATED LOAD
ARD2-2151	1kg
ARD2-2152	2 kg
ARD2-2153	3 kg
ARD2-2155	5 kg
ARD2-2157	10 kg
ARD2-2159	20 kg