

# Magnetic Sensor



## Product Description

The 1108 is a Hall-effect sensor that provides a voltage output that is proportional to the applied magnetic field.

## Comes packaged with

- [3002 – 60cm Sensor Cable](#)
- Two small Neodymium Magnets

## Product Specifications

### Sensor Properties

|                           |                |
|---------------------------|----------------|
| Sensor Type               | Magnetic Field |
| Sensor Output Type        | Ratiometric    |
| Magnetic Flux Min         | 0 G            |
| Magnetic Flux Max         | 1 kG           |
| Measurement Error Max     | $\pm 0.5 \%$   |
| Magnetic Zero Balance Max | 15 G           |
| Magnetic Resolution       | 1 G            |

### Electrical Properties

|                         |              |
|-------------------------|--------------|
| Current Consumption Max | 2 mA         |
| Output Impedance        | 1 k $\Omega$ |
| Output Voltage Min      | 200 mV DC    |
| Output Voltage Max      | 4.7 V DC     |
| Supply Voltage Min      | 4.5 V DC     |
| Supply Voltage Max      | 5.5 V DC     |

## Physical Properties

|                           |        |
|---------------------------|--------|
| Operating Temperature Min | -20 °C |
| Operating Temperature Max | 85 °C  |

## Neodymium Magnets

|                         |                  |
|-------------------------|------------------|
| Magnetic Field Strength | (@ 6.5 mm) 500 G |
| Length                  | 8.7 mm           |
| Diameter                | 5 mm             |