

# **Laser** Optical Sensor

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Datasheet

**Improve** the performance of your equipment with original accessories.



## Laser Optical Sensor

Our Laser Tachometers contain an integrated voltage regulator, amplifier and anti-aliasing filter encased in highly-resistant nylamid material.

Its laser beam allows high precision RPM measurement of rotating components with an effective sensor range up to 5m (15 ft).

Easy to install and use. It includes protection against short circuits, over-voltage supply and voltage inversion. Constructed for indoor or outdoor applications.



## Technical Specs

|                            |   |
|----------------------------|---|
| Output                     | Digital                                       |
| Range [Hz]                 | 1 - 5000                                      |
| Operation distance         | Up to 5 m                                     |
| Power supply [V]           | 5 V   |
| Current [mA]               | < 30  |
| Voltage drop [V]           | < 0.4   |
| Short circuit protection   | Yes   |
| Reverse Voltage protection | Yes   |
| Over-Voltage protection    | 15 V - 1 minute                               |
| Operation Temp [°C]        | -10 - 50                                      |
| Storage Temp [°C]          | -40 - 85                                      |
| Protection grade           | IP 60   |
| Impact resistance          | IEC 60028-27:                                 |
| Material                   | Nylamid                                       |
| Weight                     | 28 g  |
| Accessories (optional)     | Magnetic base.<br>Extension cable up to 100 m |
| Connector configuration    | 1: VCC 5V, 2: Data,<br>3: NC, 4: NC, 5: Gnd   |

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