

Optoelectronic Laser Sensor A1S37P



KEY FEATURES

- Sensing distance up to 2 meters
- Frequency range 10 Hz...15 kHz (1 million RPM)
- Easy and quick to use, only in connection with our portable hand-held tachometers C118
- Narrow beam passing through a slot
- Further flexibility via optional extension cable available up to 30 meters
- Operating temperature 0...50 °C

BENEFITS

- Flexible use and easy handling
- Wide sensing distance
- Unsusceptible versus luminescent light ambiance
- Easy adjustment to the application due to mobile use
- Sensors to directly plug-in or via flexible extension cable

Laser type reflection sensor with scanning distance up to 2 m

The BRAUN Optoelectronic Laser Sensor A1S37P is perfectly designed for long distance scanning of a rotating shaft or disk, marked by a required piece of reflection tape U1A006. This benefit is achieved by its unique beam diffusion characteristics.

The sensing distance is widely dependent on contrast and reflection grade of the target. Recommended maximum 2 meters. It is not affected by the bright light ambiance. The sharp beam requires the precise and steady direction of the sensor to the marked target. For this reason, the sensor clamp stand may prove as useful.

Specifications of A1S37P

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|-----------------------------|---|
| Light Source | Red laser (ca. 645 nm), < 1 mW, Protection Class 2 |
| Signal Frequency | 10 Hz...15 kHz |
| Sensing Distance | Up to 2 meters. Not affected by luminescent light ambiance. Requires reflection tape U1A006 as mark on the target. |
| Signal Output | Fitting to BRAUN C118 hand-held tachometer |
| Signal Transmission | The low level and high impedance signal character allows a maximum of 30 meters, within an interference-free ambiance only. Our cables SAK-xm provide the necessary uninterrupted screening. |
| Power Supply | Electric current supplied by BRAUN C118 hand-held tachometer |
| Connection | Via cable SAK-xm to BRAUN C118 hand-held tachometer |
| Operating Conditions | Ambient temperature: 0...50 °C (30...125 °F) Relative humidity max. 80%, non-condensing |
| Dimensions | Housing diameter 28 mm, length 75 mm, plug-in connector socket at rear. |
| Weight | Approx. 0.1 kg |
| Optional Accessories | SAK-xm: PVC sensor connecting cable x = cable length in m (up to 30 meters) U9A001: Sensor clamp stand |

Ordering Information

Sensor **A1S37P**

BRAUN – Speed Monitoring and Protection Systems for Rotating Equipment

BRAUN Industrial Electronics develops, produces and sells an array of "Rotating Equipment" protection systems for use in industrial applications worldwide with the focus on overspeed protection. These systems comply with the highest standards of safety and availability.

As a globally leading technology provider with over 50 years of experience, BRAUN has been continually meeting and mastering the challenges associated with protecting the facilities of companies within the power generation, oil, gas, and chemical industries. Our protection systems are installed in more than 100 countries around the world and are mainly used in safety-critical applications with rotating parts.

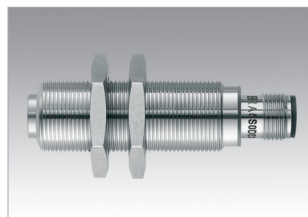
For our OEM customers, BRAUN is both a solution oriented systems provider and a reliable partner.

Our solutions comprise a variety of products for the detection and monitoring of speed and related parameters.

Always matching the requirement. Always the perfect solution for safety and availability.



PROTECTION SYSTEMS



SPEED SENSORS



TACHOMETERS



PORTABLE TACHOMETERS

BR **BRAUN**
Speed and Frequency

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