

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

- Ease and flexible of use
- Wide sensing distance
- Unsusceptible versus luminescent light ambiance

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 is indispensable by virtue of 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 luminescent light ambiance. The sharp beam requires precise and steady direction of the sensor to the marked target. The sensor clamp stand may prove as useful.

Specifications of A1S37P

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

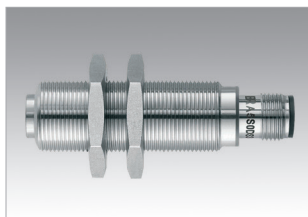
BRAUN is a worldwide leading supplier of protection systems for rotating equipment in industrial applications that require the highest standards of safety and availability.

For more than 50 years BRAUN systems have been protecting the facilities of the world's leading companies within the power generation, oil, gas and chemical industries. BRAUN Protection Systems have been installed in over 100 countries worldwide, especially in those areas where rotational equipment safety is of the highest priority.

Our solutions comprise a variety of products for the detection, reporting 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

BRAUN GMBH

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