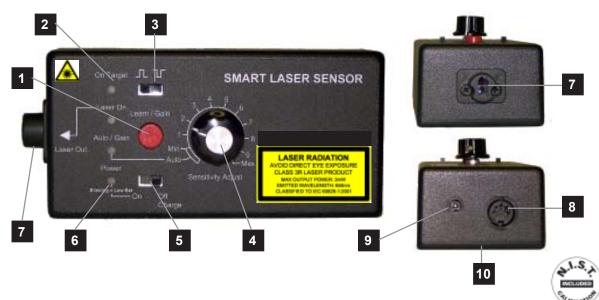# SMART LASER SENSOR

Smart Laser Sensor is an internal battery-powered optical speed sensor utilizing a visible Class 3R Laser for a TTL pulse output. Operating range up to 65 feet (19.8 m) with reflective tape and up to 3 feet* (1 m) off contrasting color targets, keyways, bolt heads or blades.

Features

1. "Smart" auto gain provides best performance in picking up target reflections.
2. "On Target" Indicator
3. TTL pulse output signal inverter Switch
4. Manual sensitivity knob provides dynamic fine tuning of sensor response
5. On/Off or Recharge Switch
6. Power/Battery Condition Indicator
7. Class 3R visible Laser and Nosepiece
8. Signal/Pulse/RS232 Output DIN connector Port
9. External DC power or recharger Port
10. Tripod Mounting Bushing (¼ - 20 UNC)

Applications

| Portable Balancing Data Acquisition Predictive Maintenance | Papermaking Rolling Mills Winding and Printing | Rotating Equipment fans, shaft keys, pulleys and turbos | Test Measurement and Control | Research and Development |

* performance subject to intensity of ambient light irradiation.

Specifications

Optical:	Class 3R (per IEC 60825-1) visible laser 650nm @ 3 mW peak power
Operating Range:	up to 65 feet (19.8 m)
Speed Range:	1-500,000 RPM
Output Signal:	TTL 5-0 VDC (user selectable polarity), RS232
Operating Temp:	32° to 104°F (0° to 40°C)
Dimensions:	5.41(L) x 2.35(W) x 2.14" (H) (13.74 x 5.96 x 5.43cm)
Mounting:	¼ - 20 UNC bushing for tripod

Smart Laser Sensor with 115/230 VAC PR Universal recharger, SLS-CA-BNC cable and 12 inches of reflective tape

Made in the U.S.A. CE

Tripod mounted SLS can provide TTL pulses from contrasting color targets.

LASER RADIATION
AVOID DIRECT EYE EXPOSURE
CLASS 3R LASER PRODUCT
MAX OUTPUT POWER 3mW
EMITTED WAVELENGTH 650nm
CLASSIFIED TO IEC 60825-1:2001

Complies with FDA performance standards for laser products except for deviation pursuant to Laser Notice 50, dated July 26, 2001

Ordering Information

Item No.	Model	Description
6180-022	SLS-115/230	Smart Laser Sensor with 115/230 AC PR Universal recharger, SLS-CA-BNC and 12 inches of reflective tape
6180-023	SLS-CA-BNC	DIN Output Cable, 8 feet (2.5m) with BNC plug
6180-024	SLS-CA-W	DIN Output Cable, 8 feet (2.5m) with tinned wire termination
6180-025	SLS-CA-P	DIN Output Cable, 8 feet (2.5m) with 1/8 inch (3.5 mm) mono plug
6180-026	SLS-CA-RS232	DIN Output Cable, 8 feet (2.5m) with DB9 (9-pin) connector for RS232
6280-017	PR Universal	Recharger, 100-240 Vac, 50-60 Hz, with USA, U.K., AUS, EURO adapter plugs.

Smart Laser Sensor will interface with Monarch Tachometers/Stroboscopes and OEM Data Collectors

Phasar-Tach Series

TACH-4AR Series

Pocket-Tach Plus Series

Pocket Laser Tach Series

ACT Panel Tachometer Series

Palm Strobe

Nova-Strobe Digital Series

Nova-Strobe Phaser Strobe Series

Nova-Strobe Vibration Strobe Series