



SPS-5/115 Self-powered Sensor

Common Applications:

- Data Collectors
- High Speed Drills
- R&D
- Engines/Motors
- Felt Belts/Conveyor
- Data Acquisition

The unique SPS Series of Self-Powered Sensors provide a TTL compatible pulse output from any of four input sensors:

- A visible optical red LED light source (ROS-5P)
- A powerful laser light source (RLS-5P)
- An infrared light source (IRS-5P)
- An amplified magnetic sensor (MT-190P)

See Page 7 for the sensors best suited to your applications.

The TTL compatible output is switch selectable as either positive going 0-5V pulses or negative going 5-0V pulses provided on a BNC connector. Internal rechargeable batteries provide 7 hours of operation between charges. For continuous operation, all SPS configurations can be powered by 115Vac, 230Vac or 5-12Vdc.

Self-powered sensors are a critical element for providing one pulse per revolution for vibration analyzers, spectrum analyzers, stroboscopes, data acquisition equipment, tachometers, balancers, waveform analyzers and magnetic tape recorders.

Specifications	SPS Series
Range (RPM)	Same as sensor
Output Signal	TTL compatible pulse, 0-5V or 5-0V
Pulse Width	Determined by size of target and rotational speed
Output Connector	BNC
Power	4 "AA" (LR6) NiCad Batteries, AC or 5-12 Vdc

115 Vac Recharger (R-5)



5-12 Vdc Cable (CA-SPS12)



230 Vac Recharger (R-6)



3



Interface Module (SPS-IM) 1



2

Remote Optical Sensor



Remote Laser Sensor (RLS-5P)



Infrared Sensor (IRS-5P)



Magnetic Trigger Sensor (MT-190P)

**Customize your SPS for your application**

- 1 Begin with the SPS-IM Interface Module
- 2 Select the sensor(s) best suited for your requirement
- 3 Choose your preferred power source