

## ROS Remote Optical Sensor

**ROS (Remote Optical Sensor):** Threaded stainless steel remote optical sensors have a visible red LED light source and green LED 'On Target' indicator. Performs over a wide speed range and operating envelope.

**Common usage:** Wide range of general purpose applications in relatively clean environments.



### Specifications

Operating Distance:	3 feet (1 m) and 45° from reflective tape
Speed Range:	1-250,000 RPM
Operating Temperature:	-14° to 158°F (-10 to 70°C)
Power Input:	3.3 to 15Vdc @ 45mA
Output Signal:	TTL same as source
Standard Cable:	8 feet (2.4m)
Dimensions:	2.9" (L) x 0.625" diameter (73 x 16mm)

### Ordering Information

Item	Description	Part No.
ROS-W	Sensor with 8 ft. cable with tinned leads, mounting bracket and 12" of T-5 tape	6180-056
ROS-P	Sensor with 8 ft. cable, 1/8" phone plug, mounting bracket and 12" of T-5 tape	6180-057
ROS-P-25	Sensor with 25 ft. cable, 1/8" phone plug, mounting bracket and 12" of T-5 tape	6180-057-25

## ROS-HT Remote Optical Sensor - High Temp

**ROS-HT (Remote Optical Sensor, High Temp):** Threaded stainless steel remote optical sensor with visible incandescent white light source. Ideal for automotive and truck cooling system testing up to 257°F (125°C).

**Common usage:** Automotive and heavy truck cooling fan speeds.



### Specifications

Operating Distance:	2 feet (61cm) and 45° offset from target
Speed Range:	1-50,000 RPM
Operating Temperature:	-13° to 257° F (-25° to 125°C)
Power Input:	6-24Vdc, 40mA
Output Signal:	TTL same as source
Standard Cable:	25 feet (7.6m)
Dimensions:	2.9" (L) x 0.625" diameter (73 x 16mm)

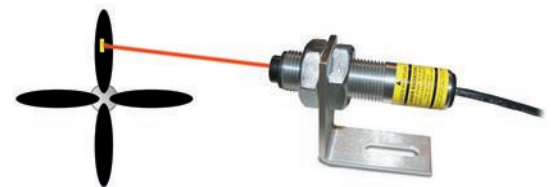
### Ordering Information

Item	Description	Part No.
ROS-HT-W-2	Sensor with 25 ft. cable with tinned leads , mounting bracket and 12" of T-5 tape	6180-058-25

## ROLS Remote Optical Laser Sensor

**ROLS (Remote Optical Laser Sensor):** Threaded stainless steel remote optical laser sensors have a visible red laser light source and green LED 'On Target' indicator. Performs over a wide speed range and operating envelope.

**Common usage:** Wide range of applications where distance to target is large.



### Specifications

Operating Distance:	Up to 25 feet (7.62m) and 70° offset from target
Speed Range:	1-250,000 RPM
Operating Temperature:	14° to 158°F (-10° to 70°C)
Power Input:	3.3 to 15Vdc, 35mA
Output Signal:	TTL same as source
Standard Cable:	8 feet (2.4m)
Dimensions:	3.12" (L) x 0.71" (M16 x 18 x 79.4mm)



Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50 of June 2007.

### Ordering Information

Item	Description	Part No.
ROLS-W	Sensor with 8 ft. cable with tinned leads, mounting bracket and 12" of T-5 tape	6180-030
ROLS24-W	Same as above with 24Vdc input power	6180-035
ROLS-P	Sensor with 8 ft. cable , 1/8" phone plug, mounting bracket and 12" of T-5 tape	6180-029