

 Sensor Comparison / Compatibility	RPM	Power Requirement	Operating Distance	Offset Angle	Nova-Pro® 300 & 500	Nova-Strobes (except bbx and BBL)	PLS	PLT200	ACT Series ¹	F2A1X/F2A3X ¹	DataChart™ 1250
Remote Optical • Visible Red LED											
ROS-W	1-250,000	3 to 15 Vdc	3 ft / 0.9 m	45°					X	X	X ²
ROS-W-25	1-250,000	3 to 15 Vdc	3 ft / 0.9 m	45°					X	X	X ²
ROS-P	1-250,000	3 to 15 Vdc	3 ft / 0.9 m	45°	X	X	X	X			
ROS-P-25	1-250,000	3 to 15 Vdc	3 ft / 0.9 m	45°	X	X	X	X			
Modulated Remote Optical LED											
ROSM-5W ³	1-20,000	5 to 24 Vdc	1 in / 2.5 cm up to 24 in / 0.5 m	45°					X	X	X ²
ROSM-5P ³	1-20,000	5 to 24 Vdc	1 in / 2.5 cm up to 24 in / 0.5 m	45°	X	X					
Remote Optical Laser • Visible Red Laser											
ROLS-W	1-250,000	3.3 to 15 Vdc	25 ft / 7.6 m	60°					X	X	X ²
ROLS-P	1-250,000	3.3 to 15 Vdc	25 ft / 7.6 m	60°	X	X	X	X ⁴			
ROLS-P-25	1-250,000	3.3 to 15 Vdc	25 ft / 7.6 m	60°	X	X	X	X ⁴			
ROLS24-W ³	1-250,000	24 Vdc	25 ft / 7.6 m	60°					X ²		X ²
ROLS24-W-25 ³	1-250,000	24 Vdc	25 ft / 7.6 m	60°					X ²		X ²
Rugged Laser • Visible Red Laser, IP67 Rated											
RLS-W	1-250,000	4 to 15 Vdc ±20% 0.5 W	25 ft / 7.6 m	60°					X	X	X ²
RLS-P	1-250,000	4 to 15 Vdc ±20% 0.5 W	25 ft / 7.6 m	60°	X	X	X ⁵	X ⁴			
RLS24-W ³	1-250,000	10 to 24 Vdc ±20% 0.5 W	25 ft / 7.6 m	60°					X ²		X ²
Remote Optical High Temp • Visible incandescent/white light											
ROS-HT-W-25 ³	1-50,000	6 to 24 Vdc	24 in / 0.76 m	30°					X ²	X ²	X ²
Proximity											
P5-11 ³	1-60,000	5 to 30 Vdc	0.2 in / 5 mm from 0.5 in / 12 mm metal target	NA					X		
PS-12 ³	1-24,000	6 to 36 Vdc	0.15 in / 4 mm from 0.5 in / 12 mm metal target	NA					X ²	X ²	X ²

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Magnetic												
M-190W	1-99,999	none (self-generating)	0.005 in / 0.127 mm gap w/ 0.1 in / 2.5 mm min metal target	NA						X		
MT-190W	1-99,999	3.3 to 24 Vdc	0.25 in / 6.35 mm gap w/ 0.1 in / 2.5 mm min metal target	NA						X	X	X ²
MT-190P	1-99,999	3.3 to 24 Vdc		NA	X	X	X	X ⁴				
Infrared												
IRS-W	1-1,000,000	3.3 to 15 Vdc	0.5 in / 12 mm	NA						X	X	X ²
IRS-P	1-1,000,000	3.3 to 15 Vdc	0.5 in / 12 mm	NA	X	X	X	X ⁴				
Inductive Gasoline Engine												
GE200 HP ⁶	1-99,999	3.3 to 24 Vdc	1 to 12 in / 2.54 to 30.48 cm from coil/magneto	NA	X	X	X	X ⁴	X	X	X	X
Compact Smart Laser • IP64 Rating												
CSLS	1-500,000	5 Vdc	up to 65 ft / 19.8 m	NA						X	X	X ²
Smart Laser												
SLS	1-500,000	4 AA NiCd	up to 65 ft / 19.8 m	NA	CONTACT FACTORY							
Self-Powered												
SPSR-IM (interface module alone or in kit)	1-250,000	rechargeable NiMH	up to 3 ft / 0.91 m from reflective tape	NA	CONTACT FACTORY							
Temp/Humidity Probe												
THP-W	NA	NA	NA	NA								X
1 For both ACT and F2A Series, select the product's Sensor Power to match that of the optional sensor. 2 Requires additional cables or sensor power supply, contact factory. When ordering ACT Series, Sensor Power option needs to be verified during product configuration; contact Monarch if you have questions. 3 Sensors requiring more than 4.65 V cannot be used with the SPSR-IM. 4 Requires SPSR-IM and CA-4044-6 input/output cable. 5 PLS battery voltage must be higher than 3.8 V. 6 GE200 HP requires an amplifier with either a wire connection (ACTs, F2As, and DC1250) or a plug connection (Strobes and PLT200). All specifications are subject to change without notice.												
Rev 0825												