

Infrared Optical Tachometer

The 404 infrared tachometer can be used both indoors and outdoors with the AMS 2140 portable analyzer for balancing, synchronous time averaging, phase tracking and startup and coast down analysis.



Dynamic Performance	
Light Source	Infrared/Reflective
Maximum Standoff Distance	$\leq \approx 0.9$ m (3 feet) Target Dependent
Output	NPN Current Sinking Open Collector Transistor
Output Rating	200 mA max.
Output Leakage	<1mA (Off Position)
Output Saturation	<200mV at 10mA and <1V at 200mA
Frequency Range	333 Hz (20,000 cpm)
Detection Time	0.83 μ s
Required Tape Inches Detection Width	(RPM) * (Radius in Inches)/20,000
Agency / Compliance	
Conforms to:	NEMA Standards 1, 2, 3, 3S, 4, 4X, 12 & 13
Electrical	
Power	5 to 15 VDC at <25mA Supplied by Battery Pack or AMS 2140
Physical	
Mounting	Magnetic Base Mount is Typical
Material	Sensor: Reinforced Valox with O-ring Seals and SS Screws, Acrylic Lens

A0404B1 Infrared Tachometer Kit	
B40405	404B Infrared Tachometer with Cable
A840	Suitcase for Phototach (All Models)
B404-BASE	404 Ball and Swivel Magnetic Mounting Base
A403	403 Tachometer Reflective Tape
D24861	Cable CSI 2130 IR Tach 2m
A0404P1 Infrared Tachometer Kit (CE, Battery, BNC Version)	
B40405	404B Infrared Tachometer with Cable
A840	Suitcase for Phototach (All Models)
B404-BASE	404 Ball and Swivel Magnetic Mounting Base
A403	403 Tachometer Reflective Tape
D24862	Cable CSI 2130 Tach (BNC) 4ft
A040801	408 Battery Pack

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