Tachometer Model C.A 1727

Cat. #1748.30

No-contact measurement, modulated infrared beam, mechanical adapter (converts rotation speed into pulses), measures to 100,000 rpm, software

Provides multiple functions and automatic routines for data acquisition and storage including measurement of rotational speed, linear speed, count, frequency, and period with measurements up to 100,000 rpm. Software included.

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Rotational Speed	
Range	60 to 100,000rpm
Resolution	0.006 to 6rpm depending on range
Accuracy	1×10^{-4} of reading ± 6 counts
Linear Speed	
Range	6 to 10,000m/min (19.680 to 100,000ft/min)
Resolution	0.006 to 6m/min (0.006 to 6 ft/min) depending on range
Accuracy	1×10^{-4} of reading ± 1 increment
Frequency	
Range	1 to 10,000Hz
Resolution	0.004 to 0.4 depending on range
Accuracy	4×10^{-5} of reading ± 4 counts
Period	
Range	0.1 to 1000ms
Resolution	0.0003 to 0.03 depending on range
Accuracy	1×10^{-4} of reading ± 5 counts
Duty Cycle	
Range	0.1 to 100%
Resolution	0.1 to 1% depending on range

For more details, download the datasheet or user manual at www.aemc.com

Accuracy	0.1% of scale (0.2 to 50Hz) 0.2% of scale (50 to 125Hz) 1% of scale otherwise
Count	
Range	0 to 100,000 events
Accuracy	±1 event
Optical Sensor	
Measuring Distance	0.4 to 19.6" (1 to 50cm)
Measurement Angle	±15° in relation to the perpendicular of reflective surface
General Features	
Memory	4000 points
Software	TachoGraph software (included)
Accessories (Not Included)	Mechanical adapter, calibrated wheel, conical end fitting, cylindrical end fitting.
Power Supply	9V alkaline battery (included)
Battery Life	250 x 5 min measurements with optical sensor 600 x 5 min measurements with external sensor
Operation Temperature	32° to 131°F (0° to 55°C) @ 90% RH
Storage Temperature	-4° to 158°F (-20° to 70°C) @ 95% RH
Dimensions	8.5 x 2.83 x 1.85" (216 x 72 x 47mm)
Weight	8.8 oz (250g)
Ingress Protection	IP 51
Safety Compliance	IEC 61010-1 C E

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