



Tachometer Model C.A 1725

Cat. #1748.10

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

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.


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Rotational Speed Function	
Range	(6 to 100,000) RPM
Resolution	(0.0006 to 6) RPM depending on range
Accuracy	1×10^{-4} of reading ± 6 counts
Linear Speed Function	
Range	(0.1 to 10,000) m / min or ft / min depending on range
Resolution	(0.0006 to 6) m / min or ft / min depending on range
Accuracy	1×10^{-4} of reading ± 1 increment
Frequency Function	
Range	(0.1 to 10,000) Hz
Resolution	(0.0004 to 0.4) Hz depending on range
Accuracy	4×10^{-5} of reading ± 4 counts
Period Function	
Range	(0.1 to 10,000) ms
Resolution	(0.0003 to 0.03) ms depending on range
Accuracy	1×10^{-4} of reading ± 5 counts
Duty Cycle Function	
Range	(10 to 10,000) %
Resolution	(0.1 to 1) % depending on range

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

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Accuracy	0.1 % of scale (0.2 to 50) Hz 0.2 % of scale (50 to 125) Hz 1 % of scale otherwise
Optical Sensor	
Measuring Distance	(0.4 to 19.7) in (1 to 50) cm
Measurement Angle	±15 ° in relation to the perpendicular of reflective surface
General Features	
Accessories (Not Included)	Mechanical adapter, calibrated wheel, conical end fitting, cylindrical end fitting.
Power Supply	9 V alkaline battery (included)
Battery Life	250 x 5 min measurements with optical sensor; 600 x 5 min measurements with external sensor
Operating 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) in (216 x 72 x 47) mm
Weight	8.8 oz (250 g)
Ingress Protection	IP 51
Safety Compliance	IEC 61010-1 

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