OTHER PRODUCTS FROM CHAUVIN ARNOUX® GROUP

Infrared Tachometers



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► FEATURES

- · Measurements up to 100,000rpm
- Multiple functions and automatic routines for data acquisition and storage: measurement of rotational speed, linear speed, count, frequency and period
- Extensive programming possibilities
- · Digital display with analog bargraph
- · USB interface for processing results on a PC (Model CĂ1727)
- Includes TachoGraph software on CD-ROM (Model CA1727) download memory only
- Stores up to 4000 measurements results

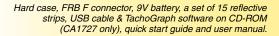
Models CA1725 & CA1727

Simple to use and offers numerous measurement possibilities with or without contact

► SPECIFICATIONS

MODELS	CA1725 8 CA1727		
MUDELS MEASUREMENTS	CA1725 & CA1727		
Rotational Speed Function	Range: 6 to 100,000rpm Resolution: 0.0006 to 6rpm depending on range Accuracy: 1x10 ⁻⁴ of Reading ± 6 counts		
Linear Speed Function	Range: 0.1 to 10,000m/min or ft/min Resolution: 0.0006 to 6m/min depending on range Accuracy: 1x10 ⁻⁴ of Reading ± 1 increment		
Frequency Function	Range: 0.1 to 10,000Hz Resolution: 0.0004 to 0.4Hz depending on range Accuracy: 4x10 ⁻⁵ of Reading ± 4 counts		
Period Function	Range: 0.1 to 10,000ms Resolution: 0.0003 to 0.3ms depending on range Accuracy: 1x10 ⁻⁴ of Reading ± 5 counts		
Duty Cycle Function	Range: 10 to 10,000% Resolution: 0.1 to 1% depending on range Accuracy: 0.1% of scale from 0.2 to 50Hz 0.2% of scale from 50 to 125Hz / 1% of scale otherwise		
Count function GENERAL	Range: 0 to 99,999 events; Accuracy: ± 1 event (Model CA1727)		
Power Source	9V battery Alkaline (included)		
Battery life	250 x 5 min measurements with optical sensor; 600 x 5 min measurements with external sensor		
Data Storage	4000 measurements (Model CA1727)		
Dimensions	8.5 X 2.83" (216 x 72 x 47mm)		
Weight	8.8 oz (250g)		
Weatherproofing	IP51		
Environment	Storage: -4 to +158°F (-20 to +70°C) 95% RH; Operation: 32 to 131°F (0 to 55°C) 90% RH		
SENSOR			
Optical	Reflective area: 10 to 90% of the target area. Measurement distance: 1 to 50cm. The maximum distance is given for a reflective adhesive strip with a minimum area of 10cm ² . Measurement angle: ±15° in relation to the perpendicular of the reflective surface.		
Mechanical	Mechanical adapter: End-fittings: elastomer with a durometer hardness of 80 Pressure on moving part: between 2 and 40N; maximum speed: 10,000rpm Service life: approx. 1000 hours at 3000rpm with a pressure of 20N		
	Conical end-fitting accessory: Minimum diameter of measurement shaft: 5mm		
	Cylindrical end-fitting accessory: Speed measurements on shafts with a diameter greater than 5mm or flat-ended shafts		
	End-fitting accessory with wheel; Wheel diameter: 30.183mm; Wheel development: 10cm ± 0.1mm		

PRODUCT INCLUDES



► ACCESSORY

Mechanical Accessories Kit

Catalog #1749.02 Mechanical adapter, calibrated wheel, conical end fitting and cylindrical end fitting

CATALOG NO.	DESCRIPTION	
1748.10	Tachometer Model CA1725	
1748.30	Tachometer Model CA1727	
1749.02	Mechanical accessories kit	
AEMC [®]	Technical Assistance (800) 343-1391	www.aemc.com
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Special product features



