

MODELS CA 1725 & CA 1727

Simple-to-use and offers numerous measurement capabilities with or without contact



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FEATURES

- Measurements up to 100,000 RPM
- 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 CA 1727)
- Includes TachoGraph software on CD-ROM (Model CA 1727) download memory only
- Stores up to 4000 measurements results (Model CA 1727)

PRODUCT INCLUDES

Hard case, FRB F connector, 9 V battery, set of (15) reflective strips, quick start guide and user manual. CA 1727 also includes a USB cable and TachoGraph software.



MODELS	CA 1725		CA 1727
MEASUREMENTS			
Rotational Speed Function	Range: (6 to 100,000) RPM Resolution: (0.0006 to 6) RPM depending on range		
Linear Speed Function	Range: (0.1 to 10,000) m / min or ft / min Resolution: (0.0006 to 6) m / min or ft / min depending on range		
Frequency Function	Range: (0.1 to 10,000) Hz Resolution: (0.0004 to 0.4) Hz depending on range		
Period Function	Range: (0.1 to 10,000) ms Resolution: (0.0003 to 0.3) ms depending on range		
Duty Cycle Function	Range: (10 to 10,000) % Resolution: (0.1 to 1) % depending on range		
Count Function	-	Range: 0 to 99,999 events; Accuracy: ± 1 event	
GENERAL			
Power Supply	9 V Alkaline battery <i>(included)</i>		
Battery Life	250 x 5 min measurements with optical sensor; 600 x 5 min measurements with external sensor		
Data Storage	-	4000 measurements	
Dimensions	(8.5 x 2.83 x 1.85) in (216 x 72 x 47) mm		
Weight	8.8 oz (250 g)		
Environment	Storage: (-4 to 158) °F (-20 to 70) °C 95 % RH Operation: (32 to 131) °F (0 to 55) °C 90 % RH		
Communication / PC Software	-	Through USB / TachoGraph software included	
OPTICAL SENSOR			
Reflective Area	(10 to 90) % of the target area		
Measurement Distance	(0.4 x 19.7) in (1 to 50) cm The maximum distance is given for a reflective adhesive strip with a minimum area of 10 cm		
Measurement Angle	± 15 ° in relation to the perpendicular of the reflective surface		
MECHANICAL			
Adapter	End-fittings: elastomer with a durometer hardness of 80		
Pressure on Moving Part	Between 2 and 40 N; maximum speed: 10,000 RPM		
Service Life	Approximately 1000 h at 3000 RPM with a pressure of 20 N		
Conical End-fitting Accessory	Minimum diameter of measurement shaft: 0.2 in (5 mm)		
Cylindrical End-fitting Accessory	Speed measurements on shafts with a diameter greater than 0.2 in (5 mm) or flat-ended shafts		
End-fitting Accessory with Wheel	Wheel diameter: 1.19 in (30 mm); Wheel development: 3.94 in ± 0.004 in (99 mm ± 0.1 mm)		

Consult factory for NIST Calibration prices.

ACCESSORIES

MECHANICAL ACCESSORIES KIT

CAT. #1749.02

Mechanical adapter, calibrated wheel, conical and cylindrical end fitting



CAT. #	DESCRIPTION
1748.10	Tachometer Model CA 1725
1748.30	Tachometer Model CA 1727