

ELECTRICAL TEST TOOLS

TACHOMETERS

MODELS CA 1725 & CA 1727

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

SPECIFICATIONS

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 (Model CA 1727)	
GENERAL		
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	
Data Storage	4000 measurements (Model CA 1727)	
Dimensions	(8.5 x 2.83 x 1.85) in (216 x 72 x 47) mm	
Weight	8.8 oz (250 g)	
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	
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 ² .	
Measurement Angle	$\pm 15^\circ$ 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	Approx. 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 \pm 0.004 in (99 mm \pm 0.1 mm)	

Consult factory for NIST Calibration prices

CATALOG NO.	DESCRIPTION
1748.10	Tachometer Model CA 1725
1748.30	Tachometer Model CA 1727



CA 1725



CA 1727

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)

ACCESSORIES

MECHANICAL ACCESSORIES KIT Catalog #1749.02

Mechanical adapter, calibrated wheel, conical and cylindrical end fitting



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.

