

ELECTRICAL TEST TOOLS

TACHOMETERS



MODELS CA 1725 & CA 1727

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



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)

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.



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

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 (included)	
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	$\pm 15^\circ$ 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	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 \pm 0.004 in (99 mm \pm 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

