

ELECTRICAL TEST TOOLS

TACHOMETERS

MODELS CA 1725 & CA 1727

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

SPECIFICATIONS



CA 1725

CA 1727

MODELS	CA 1725	CA 1727
MEASUREMENTS		
Rotational Speed Function	Range: 6 to 100,000rpm Resolution: 0.0006 to 6rpm depending on range	
Linear Speed Function	Range: 0.1 to 10,000m/min or ft/min Resolution: 0.0006 to 6m/min depending on range	
Frequency Function	Range: 0.1 to 10,000Hz Resolution: 0.0004 to 0.4Hz depending on range	
Period Function	Range: 0.1 to 10,000ms Resolution: 0.0003 to 0.3ms 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 Source	9V 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" (216 x 72 x 47mm)	
Weight	8.8oz (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	
OPTICAL SENSOR		
Reflective Area	10 to 90% of the target area	
Measurement Distance	0.4 x 19.7" (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		
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: 0.2" (5mm)	
Cylindrical End-fitting Accessory	Speed measurements on shafts with a diameter greater than 0.2" (5mm) or flat-ended shafts	
End-fitting Accessory with Wheel	Wheel diameter: 1.19" (30.183mm); Wheel development: 3.94" ±0.004" (10cm ±0.1mm)	

Consult factory for NIST Calibration prices

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, 9V battery, set of (15) reflective strips, quick start guide and a user manual.

CA 1727 also includes a USB cable and TachoGraph software.



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