

**DIGITAL TACHOMETER
MODEL 1726
OPERATING INSTRUCTIONS**

OPTICAL MEASUREMENTS

Apply a 1/16" strip of retroreflective tape to the rotating object. Press the red button and aim the light beam at the object so the tape crosses the beam once every revolution.

CONTACT MEASUREMENTS

Insert the tachometer into the CONTACT ADAPTER. Select the tip (concave or convex), and install it on the shaft of the adapter. Engage the tip with the end of the shaft to be measured so they both rotate in unison. Press the red button to read speed.

LINEAR MEASUREMENTS

Insert the tachometer into the CONTACT ADAPTER and attach the 10cm or 1ft WHEEL to its shaft. Refer to the "Units Selection" for procedure on switching between 10cm and 1ft linear wheel. Position the instrument over the moving surface so the wheel touches it and is being turned by it. Press the red button to read speed.

MEMORY

Press the MEMORY button to recall the last reading. Pressing and releasing the button cycles the display through maximum (MX), minimum (MN) and average (AV) speeds of the last measurement.

DISPLAY ADJUSTMENT

To adjust the display, remove the battery cover, position the unit at the typical viewing angle and press the red button. Adjust the small knob in the battery compartment for the best contrast.

LOW BATTERY INDICATOR

Flashing MSD indicates need for battery replacement. Use a standard NEDA Type 1604 9Vdc Alkaline battery.

UNITS SELECTION

Press the MODE button and hold until the desired unit of measure appears. While pressing the MODE button, press the MEMORY button to toggle between 10cm and 1ft linear wheel. 1726 is furnished with a 10cm wheel. A 1ft wheel is available from the factory P/N BC20-00602. The units available are listed in the table to the right.

RANGE TABLE

Symbol	Range
Optical Measurements	
REV/SEC	.1000RS-1666.0RS
REV/MIN	6.0000RM-99999.RM
REV/HR	360.00RH-99999.RH
Contact Measurements	
REV/SEC	.1000RS-333.00RS
REV/MIN	6.0000RM-20000.RM
REV/HR	360.00RH-99999.RH
Linear Measurements 10 cm	
YDS/SEC	.0110YS-18.300YS
YDS/MIN	.6600YM-1100.0YM
YDS/HR	40.000YH-66000.YH
FT/SEC	.0330FS-55.000FS
FT/MIN	2.0000FM-3300.0FM
FT/HR	120.00FH-99999.FH
IN/SEC	.4000IS-660.00IS
IN/MIN	24.000IM-39500.IM
IN/HR	1420.0IH-99999.IH
CM/SEC	1.0000CS-1665.0CS
mtrs/MIN	.6000mM-1000.0mM
mtrs/HR	36.000mH-60000.mH
MILES/HR	.0250MH-37.500MH
Linear Measurements 1 ft	
YDS/SEC	.0330YS-11.000YS
YDS/MIN	2.0000YM-666.00YM
YDS/HR	120.00YH-40000.YH
FT/SEC	.1000FS-33.000FS
FT/MIN	6.0000FM-2000.0FM
FT/HR	360.00FH-99999.FH
IN/SEC	1.2000IS-396.00IS
IN/MIN	72.000IM-24000.IM
IN/HR	4320.0IH-99999.IH
CM/SEC	3.0480CS-1000.0CS
mtrs/MIN	1.8300mM-600.00mM
mtrs/HR	110.000mH-36000.mH
MILES/HR	.0680MH-22.700MH

CAUTION

INJURY OR DAMAGE MAY OCCUR IF THE SPECIFIED RANGES OF THE LINEAR OR CONTACT ADAPTER ARE EXCEEDED.

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