



Quick Reference Guide



Digital Tachometer (DT2001B)

ELECTRONIC AUTOMATION (P) LTD

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INTRODUCTION

Thank you for purchasing EAPL'S Tachometer. This instruction manual describes every aspect of installation, set-up, and operation of the Tachometer. If you run into difficulties and need technical assistance, feel free to call our technical support at (080) 8462561 available between 9 AM – 5:30PM IST or visit our web site at www.eaplindia.com.

EAPL, an ISO 9001 company, leaders in Timer Technology Brings to you a new range of micro controller based programmable Tachometer. High reliability, accuracy, compactness are some of the striking design features.

Uncompromising quality with cost effectiveness has been the watchword at EAPL.

For Customer Use

Enter below the serial Number which is located on the timer cabinet. Retain this information for future reference.

Model No:

Serial No:

Batch No:

Date of Purchase:

Purchase Point:

Accessories

- Tachometer- 1 no.
- Quick reference guide
- Carrying Case
- Calibration report

NOTE: Please acknowledge that we reserve the right to make changes in product performance or specifications without prior notice. Also please note that we bear no responsibility for mistakes, misprints or omissions of the instruction manual Specifications.

Salient Features

- Microcontroller based design
- RPM measurement from 1 RPM up to 99,999 RPM
- Non-Contact Sensing through reflected light beam
- LCD Display
- Input sensing indication through LED
- Memory facility to retain measured value
- 6V Battery operated
- Portable, Lightweight, Strong and Elegant ABS Enclosure

Ordering Information

Model	Function	Source Voltage	Time Range
DT 2001 B	RPM counter	6 V DC	1 to 99,999 RPM

Specifications

Function	RPM Counter
Rated supply Voltage	6 V DC (Battery 4 X 1.5 V AA Size heavy duty type)
Power Consumption	1.5 W approx. (when bulb is ON)
Display	5 digit LCD (0.4" height)
Detecting Distance	50 to 150 mm / 2 to 6 inches (up to 300mm / 12 inches depending upon ambient light)
Range	1 to 99,999 RPM (with one reflecting mark)
Range Selection	Automatic
Accuracy	± 1 RPM up to 5000 RPM (from 25 ° C to 35 ° C) $\pm 0.05\%$ over 5000 RPM (from 25 ° C to 35 ° C)
Resolution	0.1 RPM up to 5,999 RPM and 1 RPM over 6,000 RPM
Ambient temperature	Operation : 0 ° C to + 50 ° C
Dimensions	72 x 170 x 38.0 mm (w x h x d)
Accessories	Carrying case, Reflecting Tape, Instruction Manual

Operating Instructions



Caution

- Application of voltage other than the specified one will permanently damage the tachometer.

How to operate the Tachometer

- Slide the back cover to open the battery compartment and load 4 AA size batteries (1.5 V each). Close the back cover.
- Press the button provided on the right hand side of the unit to check for display and the light beam emitted from the front.
- Stick a small piece of reflective tape (reference sticker) provided (approx. 1 sq.cm) on the surface of the shaft/flywheel whose RPM is to be measured.
- Now hold the instrument in your palm and beam the light on the reflective tape (reference sticker). The unit displays the RPM directly.
- For best results, focus the light from the instrument at angle and from a distance of approx. 6 inches to 8 inches from the rotating surface, depending on the ambient light.
- The reading can be recalled by pressing the memory button. (Data hold time is 5 minutes. Approx.)
- To clear memory, press the button on the right hand side once.
- For low RPM (Less than 100), for better results, stick more than one reference sticker on the shaft. To get true RPM, divide the display value by no. of stickers placed.
- Before placing the sticker on the shaft, clean the surface.