

TACHOMETER CALIBRATOR

MODEL : RPMC 1700 - 4A



Introduction

The RPMC 1700 Series is a high-precision tachometer calibrator that generates true reference rotation per minute (RPM). This calibrator uses advanced technology with a high-speed motor, high-precision encoder, and a powerful 32-bit CPU in the control drive, featuring automated gain tuning, excellent stability, stable stopping, rugged construction, and more.

Due to its light weight and rugged Aluminium enclosure, it is suitable for in-house and on-site calibration of contact / non contact Tachometer, Tacho coil, Tacho generator, RPM indicator, RPM transmitter, Speedo meter, Proximity sensor, Stroboscope, etc.,.

Features

- ✓ 7" True colour TFT display with Touch screen
- ✓ Low noise
- ✓ Quick settling time
- ✓ Better stability
- ✓ Any odd value is settable for both contact & Non - contact RPM
- ✓ High resolution
- ✓ Ultra stable motor with high precision encoder and drive
- ✓ Direct drive shaft (there is no gear)
- ✓ Compact size

Technical Specifications

Model	RPMC 1700 - 4A
Display	7" multi color TFT touch screen display
Control Range	Contact : 0 to 12,000 RPM, Non Contact : 0 to 2,04,000 RPM*
Accuracy	Contact : 6 rpm to 3000 rpm = $\pm 0.005\%$ of rdg + 0.1 rpm 3001 rpm to 12,000 rpm = $\pm 0.005\%$ of rdg Non Contact: 1 Teeth : 6 rpm to 3000 rpm = $\pm 0.005\%$ of rdg + 0.1 rpm 3001 rpm to 12,000 rpm = $\pm 0.005\%$ of rdg 5 Teeth : 12,001 rpm to 60,000 rpm = $\pm 0.005\%$ of rdg 17 Teeth : 60,001 rpm to 2,04,000 rpm = $\pm 0.005\%$ of rdg
Resolution	0.01 RPM
Display Stability	Contact: ± 0.02 RPM, Non Contact: ± 0.2 RPM
Stability	Contact: ± 0.1 rpm, Non Contact: 1 Teeth : 6 rpm to 3000 rpm = ± 0.1 rpm 3001 rpm to 12,000 rpm = ± 0.2 rpm 5 Teeth : 12,001 rpm to 60,000 rpm = better than ± 0.5 rpm 17 Teeth : 60,001 rpm to 2,04,000 rpm = better than ± 0.8 rpm
Stability Time	Within 5 seconds
Noise level	<50 dB upto 6000 rpm, <75 dB from 6001 to 12000 rpm measured at the distance of 30 cm from the instrument
Motor	Ultra stable motor with high resolution Encoder & Drive
Power supply	230V AC $\pm 10\%$ / 50Hz (Optional 110V AC)
Outer Enclosure Construction	Aluminium (powder coated)
Operation Environment	25 °C ± 2 °C & 35 to 70 % RH(non condensed)
Power Consumption	750 w
Overall Dimension	260mm L x 440mm W x 230mm H (Approx.)
Instrument Weight	13 kg (Approx.)

Note: Due to continuous product improvements, Published specifications may change with out notice

Standard Delivery

1. Basic Instrument
2. Spare fuses
3. Instruction manual
4. Mains cord

Optional

1. Master Tachometer
2. Additional Reflection stickers
3. Carrying case
4. ISO/IEC 17025 Accredited calibration certificate



Carrying Case

SANSEL INSTRUMENTS AND CONTROLS SANSEL CALIBRATION LABORATORIES LLP

ISO/IEC 17025 Accredited Calibration Laboratory by NABL CC - 2879
(Thermal, Mechanical, Electro-Technical, Dimension Parameters)

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