

DIGITAL TACHOMETER CALIBRATOR (RPM GENERATOR)

Precision Contact/Non-contact Tachometer Calibrator for Calibration of Tachometer, Speed Sensor, RPM Meter

Technical Pre-Qualification Criteria:

- a. Bidder shall be either manufacturer or authorized dealer/distributor of Digital Tachometer Calibrator.
- b. Bidder shall have to submit valid authorized dealer/distributor certificate of their offered make along with their technical bid.

I. Specifications:

- 1) Speed/ Velocity Contact: Start from 0 upto 12000 rpm
- 2) Speed/Velocitv Non-Contact: Start from 0 upto 120,000 rpm
 - a. +/-0.2 rpm below 1000 rpm,
 - b. +/-0.5 rpm more than 1000 rpm less than 12000 rpm
 - c. +/-0.005 percent of reading less than 20000 rpm (Non-contact)
- 4) Resolution:
 - a. 0.1Rpm (less than 10000 Rpm)
 - b. 1 Rpm (more than or equal to 10000 Rpm)
- 5) Shaft Rotation: Clockwise or Anti Clockwise
- 6) Stable time: less than 3 seconds
- 7) Motor Type: Ultra-Stable Servo Motor, 4000 counts encoder/Controller. Direct drive (without gear)
- 8) Noise Level at 1 meter: less than 50 dB
- 9) Display for Frequency as well as its output with Banana or BNC terminal. Voltage: Max. 5V.

II. General Specification

- a. Supply: 240 VAC, 50/60 Hz
- b. Display: TFT Color Touch Screen
- c. Unit Size: To be specified
- d. Weight: To be specified

III. Standard Supply:

- 1) Operation/ Maintenance/ Spare parts Manual to be provided with machine. (Hard copy - two nos.)
- 2) Convex and Concave shaft adaptors,
- 3) X10 segments adaptor for non-contact calibration,
- 4) Reflective Tape,
- 5) Power Cord

IV. Provide 1 year valid calibration certificate from OEM / NABL Accredited Lab to be provided alongwith the tachometer calibrator at the time of delivery.

V. Warrantee of One Year from date of commissioning.

VI. One day onsite training on operation & maintenance is to be given to operatives at MDL Mumbai.

VII. Installation & Commissioning at MDL (SB-ERS SHOP).