

3. Slowly vary the speed of motor by operating the speed adjusting knob.
4. Note the output voltage on the meter.

As the speed of the motor increases, the vibration increases and corresponding increase in output of Piezo electric crystal is observed on the meter.

Observations:

S.NO	TACHOMETER READING(RPM)	VOLTMETER READING(VOLTS)

Graph:

A graph is drawn between true value (Tachometer reading) on X- axis and measured value (Voltmeter reading) on Y-axis.

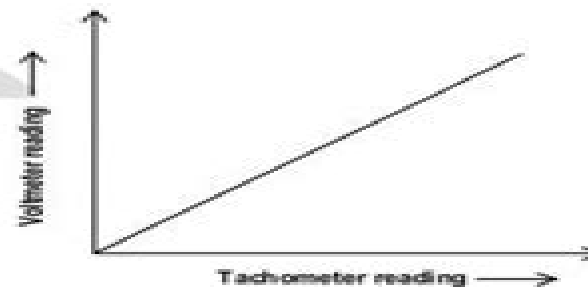


Fig. Tachometer reading Vs Voltmeter reading

Instrumentation Lab Manual For Mechanical

**Lisa A. Seidman, Mary Ellen
Kraus, Diana Lietzke Brandner, Jeanette
Mowery**

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Mechanical Engineering Laboratory Manual Earl B. Smith, 1909 Industrial Instrumentation A. Bebris, 1982

Laboratory Manual for Biotechnology and Laboratory Science Lisa A. Seidman, Mary Ellen Kraus, Diana Lietzke

Brandner, Jeanette Mowery, 2022-12-23 Provides the basic laboratory skills and knowledge to pursue a career in biotechnology Written by four biotechnology instructors with over 20 years of teaching experience it incorporates instruction exercises and laboratory activities that the authors have been using and perfecting for years These exercises and activities help students understand the fundamentals of working in a biotechnology laboratory Building skills through an organized and systematic presentation of materials procedures and tasks the manual explores overarching themes that relate to all biotechnology workplaces including forensic clinical quality control environmental and other testing laboratories Features Provides clear instructions and step by step exercises to make learning the material easier for students There are Lab Notes for Instructors in the Support Material see tab below Emphasizes fundamental laboratory skills that prepare students for the industry Builds students skills through an organized and systematic presentation of materials procedures and tasks Updates reflect recent innovations and regulatory requirements to ensure students stay up to date Supplies skills suitable for careers in forensic clinical quality control environmental and other testing laboratories Laboratory Instrumentation Mary C.

Haven, Gregory A. Tetrault, Jerald R. Schenken, 1994-10-28 The new edition of this widely used sourcebook details the startlingly array of diagnostic equipment available in the medical laboratory of the nineties and also covers maintenance and quality assurance for each type of instrument This book includes 17 completely rewritten chapters and 7 new ones on nephelometry and turbidimetry gas chromatography mass spectrometry flow cytometry automated immunoassay systems automated blood bank systems and physician s office laboratory instrumentation **Handbook of Construction**

Management for Instrumentation and Controls K. Srinivasan, T. V. Vasudevan, S. Kannan, D. Ramesh Kumar, 2023-12-13

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