

Vibration Metering (SI units) (add-on to Level 1) 593838 (46894-00)

FESTO

LabVolt Series

Datasheet



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General Description

Vibration occurs in all rotating machines as a response to internal and external forces. The intensity of vibration depends on a large variety of factors and even new machines vibrate to some extent. However, as the equipment is used and subjected to wear, the intensity of vibration tends to increase. Excessive vibration in a system can cause various types of damage and faults and ultimately cause the system to fail. It is therefore important to detect and correct the causes of excessive vibration before failure occurs. The goal of the Vibration metering package is to locate and understand the causes of vibration and be able to determine how to mitigate or eliminate these causes.

Topic Coverage

- Perform vibration measurements using a vibration meter
- Analyze the effects of an unbalance condition on the vibration measurements
- Analyze the effects of a coupling misalignment condition on the vibration measurements
- Analyze the effects of a bearing defect condition on the vibration measurements
- Briefly explain vibrations and their main causes

Features & Benefits

- Safe and ergonomic workstation
- Small footprint
- Hundreds of possible setups with movable T-slotted extrusions
- Turnkey solution with necessary fasteners and tools
- Optional work bench available to store components from all levels

Manual

Description	Manual number
Vibration Metering (Workbook (Instructor)) _____	596165 (49352-3C)

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

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