

# Vibration Meter

02-9744354-6

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## Features

STV300 uses piezoelectric acceleration transducer to convert vibration signal into electric signal. Then by analyzing input signal, result including RMS of velocity value, peak-peak value of displacement, peak values of acceleration or real-time spectral charts are displayed or printed out. It can not only measure the three parameters, but also for rotational speed measuring.

The vibration meter is designed to test conventional vibration, especially the vibration test in rotating and reciprocating machines. It can be used not only to test the acceleration, velocity, and displacement of vibration as well as rev (or inherent frequency), but also perform simple failure diagnosis.

The technical specifications of STV300 comply with the requirement of GB 13823.3 STV300 is widely used in machinery, power, metallurgy, automobile and other industrial fields.



STV-300

VIBRATION METER

SPECIFICATIONS STV-300

MODEL	STV300
Testing range (Metric)	Acceleration : 0.1~205.6m/s (peak)
	Velocity : 0.1~400.0mm/s (RMS)
	Displacement : 0.001~9.0mm (peak-peak)
Testing range (Imperial)	Acceleration : 0.01~22.00m/s (peak)
	Velocity : 0.01~15.75mm/s (RMS)
	Displacement : 0.1~356.3mm (peak-peak)
Frequency range	Acceleration : 10Hz~200Hz, 10Hz~500Hz
	10Hz~1KHz, 10Hz~10KHz
	Velocity : 10Hz~1KHz
	Displacement : 10Hz~500Hz
Frequency resolution	0.25Hz
Data memory	100x80 pieces of data and 100 spectrums
Software	Yes
Temperature	0°C 40°C
Tolerabce	±5%
Speed measurement range	30~300000rpm corresponding to 0.5~5000Hz
Measuring distance	0.15~1m
Display	TFT 320x200 pixels with RGB
Data interface	USB
Overall dimensions	210x80x25
Printer	Integrated thermal printer
Weight	320g
Battery	Rechargeable Li battery, 1500mAH
Continuous	About 50h

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