

TIME 7217

2-Channel Vibration Analyzer & Dynamic Balancer

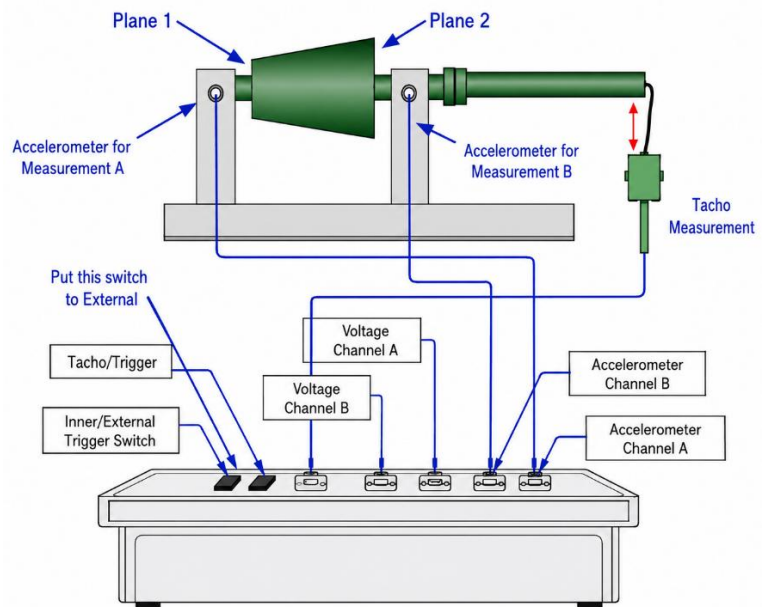


Standard Delivery

- Vibration Data Collector
- Accelerometer
- Magnetic Mount
- Steel Extension Probe
- Battery Charger
- Accelerometer Cable
- RS232C Communication Cable
- Balancing Module
- Tacho/Trigger Sensor with Cable
- Tacho/Trigger Sensor Stand
- Reflective Tape Set
- Quick Start Guide
- MCM3 PC Software
- SDES Software
- TIME Certificate
- Warranty Card
- Carrying Case

Features

- Dual-Channel Measurement – Simultaneous sampling and display of two vibration channels.
 - FFT & Waveform Analysis – On-site waveform and FFT spectrum analysis with up to 400 FFT lines.
 - High-Resolution PC Analysis – Supports up to 3,200 FFT lines through PC analysis software.
 - Advanced Analysis Functions – Includes transfer function analysis and on-site spectrum comparison.
 - Bearing & Gearbox Diagnostics – Acceleration envelope demodulation helps identify rolling bearing and gearbox faults.
 - Field Balancing – Full-featured 1-plane and 2-plane balancing with vector guidance and trial-weight estimation.
 - Automatic Balancing Reports – Generates balancing reports automatically upon completion.
 - Flexible Triggering – Internal and external trigger modes are selectable.
 - Speed Measurement – Supports rotational speed measurement from 180 to 24,000 r/min with tachometer sensor.
 - Built-In Data Storage – Stores up to 62 time waveforms and 240 measurement data sets.
- PC Connectivity – RS232C interface for data transfer and PC-based analysis.



Technical Specifications

Model	TIME 7217
Product Type	2-Channel Vibration Analyzer / Balancer
Input Channels	2 channels
Input Signals	Accelerometer and voltage
Simultaneous Measurement	2-channel simultaneous sampling and display
Displacement Range	0.001–5 mm, peak-to-peak
Displacement Frequency Range	10–500 Hz
Velocity Range	0.1–200 mm/s, True RMS
Velocity Frequency Range	10–1,000 Hz
Acceleration Range	0.1–250 m/s ² , Peak
Acceleration Frequency Range	10–10,000 Hz
Acceleration Envelope Range	0.1–20 m/s ² , True RMS
Acceleration Envelope Frequency Range	5–2,000 Hz from 15–40 kHz
Voltage Range	0.1–10 V, peak-to-peak
Voltage Frequency Range	0.5–10,000 Hz
On-Instrument FFT Resolution	400 lines
PC Software FFT Resolution	Up to 3,200 lines
FFT Window	Hanning
Spectrum Frequency Span	100 Hz, 200 Hz, 500 Hz, 1 kHz, 2 kHz, 5 kHz, 10 kHz*
Waveform Storage	62 × 1,024-point time waveforms
Measurement Data Storage	240 data sets
Condition Codes / Notepad	10 condition codes for visual inspection
Field Balancing	1-plane and 2-plane
Balancing Data Storage	10 sets
Rotational Speed Measurement	180–24,000 r/min
Balancing Speed Range	60–8,000 r/min
Trigger Mode	Internal / External selectable
Gain Adjustment	Automatic or manual selectable
Anti-Aliasing Filter	8th-order elliptic low-pass filter
PC Communication	RS232C
Power Supply	Rechargeable Ni-MH battery
Battery Operating Time	Approx. 8 hours continuous operation
Low-Battery Indication	Supported
Operating Temperature	0–50 °C
Operating Humidity	Up to 90% RH, non-condensing
Dimensions	210 × 130 × 40 mm
Weight	Approx. 1.2 kg