



## Commtest VB2000-T

### FFT Vibration Analyzer

Measure and Display Velocity, Acceleration and Displacement

#### Features & Specifications

- Powerful MAS Analysis Software
- Programmable via a PC
- Two channels, two accelerometers, simultaneous measuring
- Single- or dual-plane balancing with printable reports
- 8 MB expandable memory stores 8000-plus spectra
- Access to fault frequencies on over 120,000 bearings
- Tachometer for automatic capture of running speed
- 3200 Line FFT capability
- 20 kHz Fmax
- 95 dB Dynamic Range
- Built-in RS232 Interface for data exchange
- Battery operated

#### Accelerometer Input

- Number of channels: 2
- Sensitivity: 100 mV/g nominal

#### Tachometer Input (Kit shown to the left)

- Input type: Optically isolated, accepts TTL pulse
- Sensor: Optical sensor with reflective tape, included
- Optical sensor range: 20mm to 1m

#### Parameter Indication

- Displays: Acceleration, velocity, displacement
- Maximum Levels:  $\pm 80g$  (800m/s),  $\pm 4in/sec$  (100mm/s),  $\pm 400mil$  (10mm)
- Dynamic signal range: 95 dB or greater (typical at 400-line resolution)
- Harmonic distortion: Less than -70 dB typical
- Display ranges: 60 dB or 120 dB visible range with manual shift
- Units: g or m/s<sup>2</sup>, in/s or mm/s, mil or mm, adB, vdB
- Graph types: Spectrum (frequency domain), waveform (time domain)
- Magnitude display: Overall rms value, cursor-position value
- Cursors: Standard, Dual & Harmonic
- Frequency response:  $\pm 0.2$  dB from 10 Hz to 5kHz;  $\pm 0.5$  dB from 3 Hz to 20 kHz

#### Spectrum Parameters

- Frequency scale: Hz, cpm
- Y-axis: Acceleration, velocity or displacement