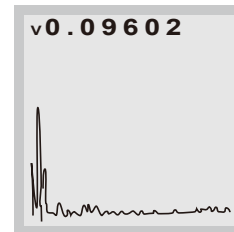
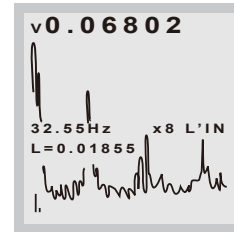
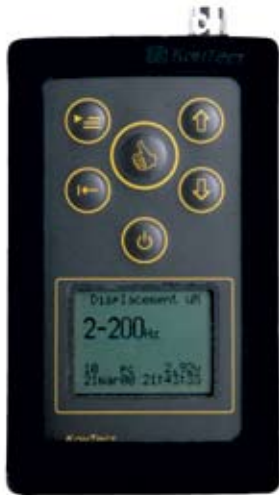


Compact FFT Vibrometer - 107BI (with Spectrum)

- Universal vibration meter that measurement of Velocity, Acceleration, Displacement. FFT spectrum up to 800 lines resolution.
- Display of true RMS, peak acceleration, and Peak-to-Peak displacement values.
- Frequency range 2Hz to 10kHz, HPF (high pass filter) 2 or 10Hz, LPF (low pass filter) – between 100Hz to 10kHz (step - 100Hz, 1kHz).
- Rechargeable battery save the trouble of battery replacement and money.
- Automatic shut-off conserves battery power.
- Save 2Mb measured data and print record via USB cable for data management with Window base PC softwre.



107B the compact and economical data collector with spectrum analyzer (FFT-800 lines, logarithmic/linear view) and measures machine vibration A, V, S. It is a simple and useful tool for the daily work of maintenance personnel, particularly for early detection of machine faults. It helps to monitor the running condition of rotating machinery by means of vibration severity to ISO-10816.

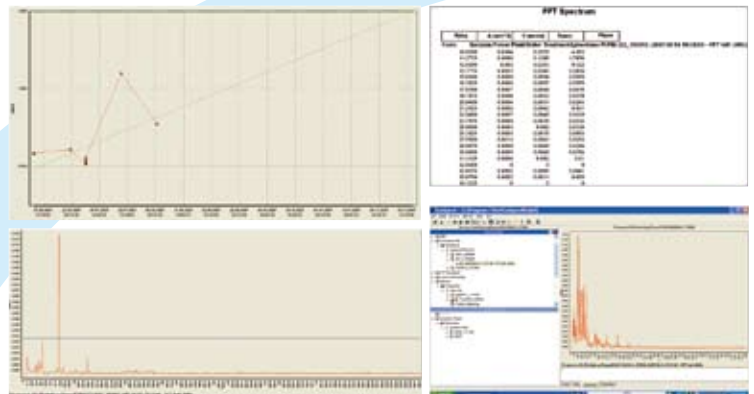
Charge amplifier with programmable sensitivity (use any piezoelectric accelerometer with known sensitivity). IP 65 rugged housing with silicon protector to withstand for harsh environments.

Sample report from conspect software

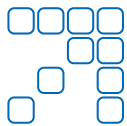
Guide for Velocity Threshold Readings for vibration

		mm/s rms		inch/s rms		Velocity
		10, 1000Hz f < 600 mm		2, 1000Hz f < 120 mm		
rigid	flexible	rigid	flexible	rigid	flexible	11
						7.1
						4.5
						3.5
						2.8
						2.3
						1.4
						0.71
						mm/s rms
						inch/s rms
						<<<Foundation
						<<<Machine Type
						ISO 10816
						<<<Group

A Excellent, newly commissioned
B Acceptable, unrestricted long-term operation
C Improvement Required, restricted long-term operation
D Unacceptable, vibration causes damage



The ConSpect software allow user to create A, V, S data report, FFT Spectrum and also trending result report



Compact FFT Vibrometer - 107BI (with Spectrum)

TECHNICAL SPECIFICATIONS

Instrument

Measurement Frequency & Range

	Frequency range, Hz	Measurement Range, RMS
Acceleration	2 - 10000	0.01 - 200 m/s ²
Velocity	2 - 16	0.8 - 1000 mm/s
Displacement	10 - 1000	0.1 - 79 mm/s
	2 - 16	0.05 - 50 mm
		0.003 - 1.2 mm
		0.003 - 0.02 mm

Accuracy	10 - 100
FFT Spectrum resolution	10 - 1000
Window function	±5%
Sensitivity conversation ratio of acceptable accelerometers	Up to 800 line
Housing materials	Hanning function
	pCs ² /m - 0.1 to 500 (given)

Weight IP65 chassis w.silicon protector against drop shock
200g

Environment condition:

Pulses per minute	
Max. acceleration to shock	10 - 50
Pulse duration	50m/s ²
Total shock number	
Operating temperature	10 - 12.5msec
Relative humidity	1000
Battery life	-10°C to 55°C
Automatic shutdown	up to 80%
Memory capacity	Approx. 10hrs continuous operating w/o backlife
Output interface	Approx. 150 seconds
Unit dimensions	2MB
	High speed USB port
	Approx. 60 x 110 x 30mm

Accelerometer

Type	
Sensitivity conversation ratio	Piezoelectric accelerometer
Frequency range, Hz	pCs ² /m 5.0 ~7.0
Resonance frequency	2 - 10000 Hz
Transverse sensitivity	
Cable length	> 28kHz
Dimension, mm	< 5%
Weight	1.5m
	Ø

Carrying Case

Standard	
Case dimension	
Weight incl. all std parts	PP with form inserted Approx. 290 x 235 x 80mm 1.3Kgs

Standard Delivery:

1. 107BI display unit w/built-in rechargeable battery
2. Accelerometer
3. Accelerometer cable – 1.5meter
4. Accelerometer pin probe
5. Accelerometer magnetic stud
6. AC charger, 230Volts-50Hz
7. USB cable, 1.5m
8. Carry case w/ form inserted
9. Conspect PC software & operating manual in CD-ROM
10. Maker Calibration & Quality certificate



01/08 Specifications subject to change without notice.

Representative: