

CXM FFT Analyzer



Functions

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| <ul style="list-style-type: none">• Route• Spectra• Time Signal• Envelope• Analysis• USB Communication | <ul style="list-style-type: none">• Frequency Response• Data logger• Overall Level• Bearing Energy• Transducer Check• Balancing (Optional) |
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CXM FFT Analyzer does it all.



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Display	Color Graphic TFT 320 x RGB x 240
Resolution	72.88 x 55.36mm
Viewing Area	White LED
Backlight	
Mechanical	Aluminum
Size	180 x 190 x 55mm
Weight	950g
Protection Class	IP54
Sealed Connectors	with protection cap
Environment	
Operating Temp.	-20°-80°C
Operating Humidity	80% RH 0-50C non-cond. 70% RH -20°-80°C non-cond.
Battery	6 x 1.2 NiMH AA Type rechargeable
Voltage	7.2V nominal
Capacity	2.4Ah
Operation Time	8 hours
External Charger	12V @ 2A Supply 100-240VAC @ 50-60Hz
Communications	USB
Memory	Storage 4GB micro SD
Route	Co-operating with CXSpectra
Spectrum	
Frequency Ranges - Resolution	1000Hz – 0.25Hz 1600Hz – 0.25Hz 3200Hz – 0.5Hz 6400Hz – 2.0Hz 12800Hz – 2.0Hz
Envelope	
Frequency Ranges	600-1200Hz 1200-2200Hz 2200-3200Hz 3200-6400Hz 6400-12800Hz
Frequency Response	Coast up/Coast down

EMC	Radiated/conducted Emissions RF, ESD, fast transient immunity
Vibration Transducers	Accelerometers
Input	2 Channels
Sensitivity	100mV/g
Input Impedance	50kOhms
Power Supply	4.2mA @ 24V DC
Tachometer	NPN standard Photocell
Input	TTL Pulse
Measure Distance	0.1-2.0m
Range	120-30000RPM
Accuracy	Max. ± 5RPM
Vibration Indication	Acceleration -80g, Velocity – 100mm/s, Displacement – 10mm
Units/ max. level	± 2%
Accuracy	
Frequency Response	± 0.2dB 0.5Hz-400Hz ± 0.2dB 10Hz-1kHz ± 0.5dB 2Hz-1.6kHz ± 0.5dB 4Hz-3.2kHz ± 0.5dB 8Hz-12.8kHz
Units	µm, mm/sec, g, in/sec, mils
Average	Peak, P-P, RMS
Analysis	RPM, Total Level, x1, x2 and x3 RPM
Bearing Status	A coefficient indicating Bearing Faults
Balancing (optional)	One or two plane 120-20000RPM
CXM set contains:	
<ul style="list-style-type: none"> - Display Box - 1 x Accelerometer with Magnet - 1 x 1m Transducer Cable - Extension Tip - Charger - USB Communication Cable - Manual - Carrying Case 	
	