

# CXM FFT Analyzer



## Functions

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



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<b>Display</b>	Color Graphic TFT 320 x RGB x 240
<b>Resolution</b>	72.88 x 55.36mm
<b>Viewing Area</b>	White LED
<b>Backlight</b>	
<b>Mechanical</b>	Aluminum
<b>Size</b>	180 x 190 x 55mm
<b>Weight</b>	950g
<b>Protection Class</b>	IP54
<b>Sealed Connectors</b>	with protection cap
<b>Environment</b>	
<b>Operating Temp.</b>	-20°-80°C
<b>Operating Humidity</b>	80% RH 0-50C non-cond. 70% RH -20°-80°C non-cond.
<b>Battery</b>	6 x 1.2 NiMH AA Type rechargeable
<b>Voltage</b>	7.2V nominal
<b>Capacity</b>	2.4Ah
<b>Operation Time</b>	8 hours
<b>External Charger</b>	12V @ 2A Supply 100-240VAC @ 50-60Hz
<b>Communications</b>	USB
<b>Memory</b>	Storage 4GB micro SD
<b>Route</b>	Co-operating with <b>CX Spectra</b>
<b>Spectrum</b>	
<b>Frequency Ranges - Resolution</b>	200Hz – 0.065Hz 1000Hz – 0.25Hz 1600Hz – 0.25Hz 3200Hz – 0.5Hz 6400Hz – 2.0Hz 12800Hz – 2.0Hz
<b>Envelope</b>	
<b>Frequency Ranges</b>	600-1200Hz 1200-2200Hz 2200-3200Hz 3200-6400Hz 6400-12800Hz
<b>Frequency Response</b>	Coast up/Coast down

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