

CXBalancer Portable Balancing Instrument

CXBalancer comes with:

- Balancing
- Overall Level
- Bearing Energy
- Speed
- Spectrum
- Envelope
- Frequency Response
- Harmonics
- Transducer Check
- Route (optional)
- Time Signal in Spectrum
- BlueTooth (optional)



Product Features

- A **rugged** vibration measurement and balance kit you can use on all your rotating equipments, including grinding wheels, fans, turbines, and other devices.
- **Provides balance measurement and analysis** and tells the user where to add, remove, or position weights to achieve balance.
- **Includes all items you need** to immediately start balancing faster and more efficiently.
- **Simple to use software** provides just what you need to monitor vibration and perform balancing operations without unnecessary complexity.
- **Two-plane capable** standard hardware and software.
- **Optical speed sensor** that is **easy to setup** and use, and works from a comfortable distance (0.1–2.0 meters) from rotating machinery.
- **Vibration display includes selectable units**, with English or metric and acceleration, velocity or displacement units. The included vibration sensor is accurate, reliable, and small enough to fit into tight areas.
- **Speed, simplicity and reliability** all with one instrument that pays for itself.
- **No more guess work or wasted time in balancing** your rotating equipment.

CX Balancer does it all.



MaintTech
Norrköping
Sweden

phone: +46 707 732274
e-mail: mainttech@live.se
website: mainttech.se

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Display Resolution Viewing Area Backlight	Color Graphic TFT 320 x RGB x 240 72.88 x 55.36mm White LED	EMC	Radiated/conducted Emissions RF, ESD, fast transient immunity
Mechanical Size Weight Protection Class Sealed Connectors	Aluminium 180 x 190 x 55mm 950g IP54 with protection cap	Vibration Transducers Input Sensitivity Input Impedance Power Supply	Accelerometers 2 Channels 100mV/g 50kOhms 4.2mA @ 24V DC
Environment Operating Temp. Operating Humidity	-20°-80°C 80% RH 0-50C non-cond. 70% RH -20°-80°C non-cond.	Tachometer Input Measure Distance Range Accuracy	NPN standard Photocell TTL Pulse 0.1-2.0m 120-30000RPM Max. ± 5RPM
Battery Voltage Capacity Operation Time External Charger	6 x 1.2 NiMH AA Type rechargeable 7.2V nominal 2.7Ah 8 hours 12V @ 2A Supply 100-240VAC @ 50-60Hz	Vibration Indication Units/ max. level Accuracy Frequency Response	Acceleration -80g, Velocity – 100mm/s, Displacement – 10mm ± 2% ± 0.2dB 0.5Hz-400Hz ± 0.2dB 10Hz-1kHz ± 0.5dB 2Hz-1.6kHz ± 0.5dB 4Hz-3.2kHz ± 0.5dB 8Hz-6.4kHz
Communications Memory	USB Storage 4GB micro SD card	Units Average	µm, mm/sec, g, in/sec, mils Peak, P-P, RMS
Balancing	One or two plane 120-20000RPM	Analysis	RPM, Total Level, x1, x2 and x3 RPM
Spectrum -Frequency Ranges	200, 1000, 1600, 3200 and 6400 Hz	Bearing Status	A coefficient indicating Bearing Faults
Envelope -Frequency Ranges	600-1200Hz 1200-2200Hz 2200-3200Hz 3200-6400Hz		
Frequency Response	Coast up/Coast down		

CX Balancer set contains:

- Display Box
- 2 x Accelerometer
- 1 x 1m Transducer Cable
- 2 x 4,5m Transducer Cable
- 2 x Magnet
- Optical RPM Sensor with 5m Cable
- Adjustable Magnet Support for RPM Sensor
- Extension Tip
- Charger
- USB Communication Cable
- 1m reflective tape
- Manual

