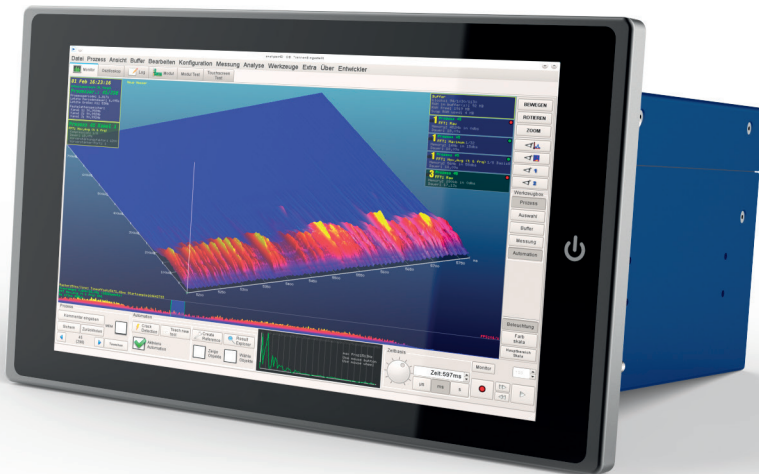


HF-MES

High-speed data acquisition and analysis



moving sounds without moving parts

xarion
laser acoustics

Features

Acquisition and recording	Time signal, spectrum
Processing	Spectrogram (SFTF) 10,000 spectra per sec.
Display	Intuitive presentation of time signal and spectrum in 2D and 3D
Pattern recognition	For frequency range, energy, and time scale
Data export	CSV, binary

Specifications

Input channels	4 (one pre-amplified channel for optical microphone)
Sampling rate	25 MHz per channel @ 16 bit, 4 MHz for one channel @ 24 bit
Trigger input/output voltage	24V
Internal storage	2TB
Integrated screen	Full HD
Casing	Rugged transport case

Applications

- ✔ Contact-free machine health monitoring
- ✔ Laser machining process control
- ✔ Sound and vibration measurement
- ✔ Industrial acoustic process control
- ✔ Data acquisition and real-time frequency analysis