

04

USB COMPACT ANALYZER

FFT PACK

YOUR COMPANION TO CAPTURE
FREQUENCY SIGNATURES

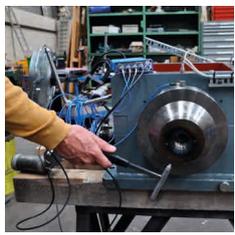


PLUG & PLAY - ULTRA PORTABLE - HIGH-END METROLOGY

Focused on portability, accuracy, and ease of use, this frequency signature acquisition pack includes the latest USB compact analyzer 04, selected powerful software modules, and ready-to-use models carefully prepared with OROS know-how accumulated over 40 years.

Our goal is to make it your ideal companion to face the challenges of on-site testing. Even an inexperienced user can perform reliable measurements and analysis with high efficiency.

**Machine Tool
Tuning**

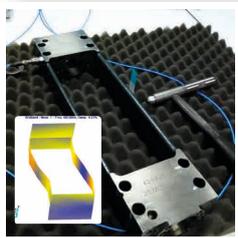


Ideal for
your
applications

**Blades
Sorting**



Modal / ODS



**Mobility
Check**

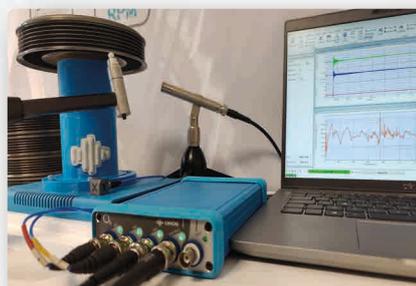


04 FFT PACK

USB Compact Analyzer

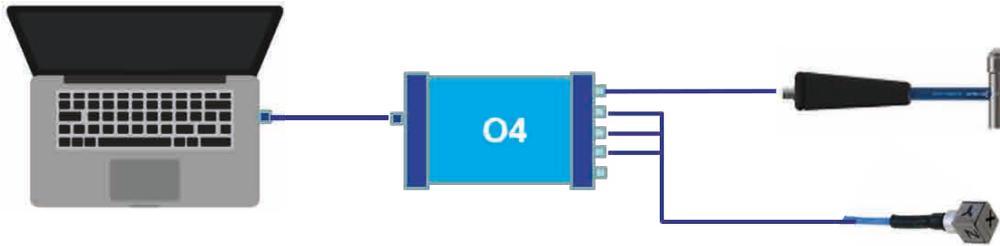
Plug-ins

Essential collection
of analysis modules



Ready-to-use Models

Carefully designed by
vibration experts



Main Specifications

Inputs	4 inputs, range ± 100 mV to ± 40 V	Output	1 generator
Coupling	AC/DC/IEPE/TEDS/FLOAT	Tachs/Triggers	2 tachs, oversampled 32.8 MHz, res. 30 ns, ± 40 V
Sampling	2.048 kS/s to 256 kS/s, 24 bits ADC	PC Connection	USB Type C (1 cable for both data and power)
Accuracy	Phase $\pm 0.02^\circ$, ampl. ± 0.02 dB, dyn. 140 dB	FFT Analysis	101 to 25601 lines, uniform/force & resp. win., pre-trig
Dimension	185x110x35 mm (7.2x4.3x1.3 inch)	Cross Functions	Cross spectra, FRF H1 & H2, coherence
Weight	534g (1.17 lbs)	Automation Tools	Sequencer, auto-report, max marker (freq.+ damp.)

Main Ready-to-use Models

REC_FFT	Record time signals and display FFT spectra and overall levels simultaneously, ideal for primary frequency analysis on-site
Eigen_Freq	Capture the eigen frequencies, ideal for blades sorting, Go/Nogo testing, etc.
REC_ODS	Acquire signals for operating deflection shapes (ODS) display
Modal	Acquire FRFs and coherence between roving inputs and ref inputs for Modal analysis

Order Information

	O4-INST-4	O4 4 ch. USB compact analyzer - Instrument pack
PK-O4-FFT	ORNVG-FULL-4-I	4 ch. NVGate full platform, incl. MON-I, WTF-I, REC-I - Instrument locked license
	ORNV-FFT-4-I	4 ch. Narrow band FFT analysis - Instrument locked license
	ORNV-XFT-4-I	4 ch. FFT Cross functions (FRFs, Coherences) add-on - Instrument locked license

Recommended options

PK-PA-10	10 ch. NVGate complete license for post-analysis - Office mode
ORNVS-MOD-ODS-4-I	4 ch. Operating Deflection Shapes - Instrument locked license
ORNVS-MOD-EMA-4-I	4 ch. Experimental Modal Analysis (Narband & Broband), incl. ODS - Instrument locked license
ORNV-ORD-4-I	4 ch. Synchronous narrow band order analysis - Instrument locked license



Instruments - Software - Services

Range of portable teamwork instruments from 4 to 1000+ channels completed by a powerful and flexible range of applications with a comprehensive OROS software suite (acoustics, structural dynamics, rotating analysis).