MODS
MOBILE DAQ SYSTEM

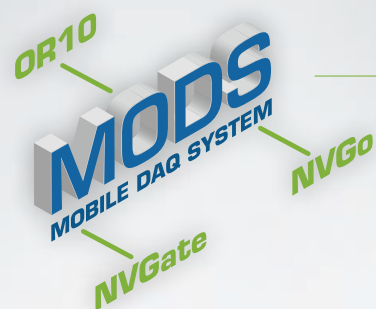by ᆘᆘᆘᆘ OROS
MEASURING NOISE & VIBRATION

LOOKING FOR AN ULTRAPORTABLE, ACCURATE AND FLEXIBLE SYSTEM FOR NOISE & VIBRATION MEASUREMENTS?

The field of measurements is moving towards greater portability, simplicity and accuracy. Systems must be flexible enough for every environment. For measurement situations where space constraints apply, ultraportability, autonomy and data compatibility are the most important features required in instruments.

MODS, the new OROS Mobile DAQ System, is the ideal solution for portable and intuitive testing.
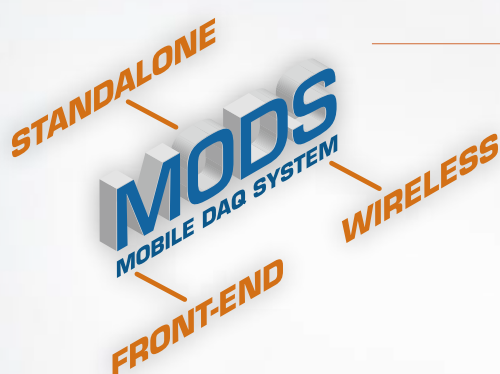
WHAT IS MODS?

3 Interconnected Elements

OR10, a 4 to 8 channel ultraportable DAQ for data acquisition, the size of a paperback, from the OROS high-end metrology range.

NVGo, the Android App for acquisition setup, and for monitoring of signals and results.

NVGate, the OROS software platform for online analysis and post-analysis, using OR10 as a front-end.

3 Main Uses

Standalone: Where PCs, tablets or smartphones are not allowed or cannot operate, OR10 acquires signals in a 100% handheld mode. Its touchscreen and keyboard provide a clear and efficient context for both selection of setups and control of acquisitions.

Wireless Apps: For test environments demanding the utmost in portability but where setups and results need to be viewed. NVGo controls the OR10 via a smartphone or tablet. It features a complete front-end setup and monitoring of signal/levels in a clear and simple interface.

Front-end: OR10 can be used as a front-end of the OROS software suite.

OROS
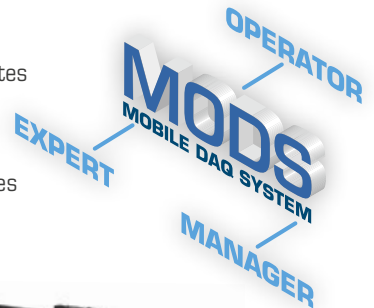MEASURING NOISE & VIBRATION

GATEWAY TO THE WORLD OF OROS
THE TEAMWORK SPIRIT

A Wide Range of Applications

Data **Acquisition** and **Signal Processing**

Structural Dynamics

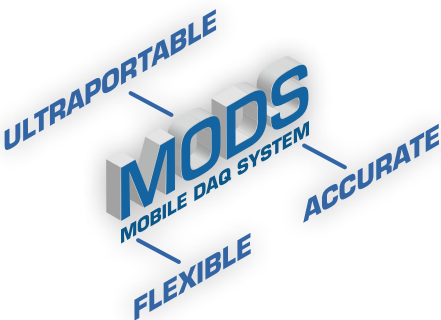Industrial **Acoustics** and **NVH**

Rotating Analysis

Compatible with the OROS Data Management System

- **Definition** of customizable measurement templates
- **Integration** of relevant information about the measurement environment
- **Data and report management** system which makes it easier to locate data and share it between the **measurement team members**

OPERATOR
EXPERT
MODS MOBILE DAQ SYSTEM
MANAGER

The Ultraportable Add-On to your OROS Teamwork Equipment

- Same **high-end metrology**
- Fully **compatible data** and **setups**
- Same **sampling**

ULTRAPORTABLE
MODS MOBILE DAQ SYSTEM
ACCURATE
FLEXIBLE

MODS offers an unrivaled ultraportable, accurate and flexible system for your everyday noise and vibration testing.

OR10 Instrument Specifications

Inputs	4 to 8 channels, 1 LEMO/3 inputs
Dimensions	114 x 32 x 168 mm / 4.5" x 1.3" x 6.6"
Coupling	AC / DC / ICP / TEDS / FLOAT
Input range	±300 mV to ±40 V all couplings
A/D converter	24 bits - 140 dB dynamic range
Tachs/trigger	2 Ext synch 6.4 MHz on ch. 8 and 9
Sampling frequencies	2.048 S/s to 102.4 kS/s and 3.2 kS/s to 65.635 kS/s
Interfaces	Wi-Fi 802, 11 a/b/g/n / Ethernet / USB C
Battery autonomy	Internal > 4 h + USB C
Data/Setups storage	Removable µSD (up to 64 GB)
Maximum recording time	5 h, all inputs @102.4 kS/s
Export file format	Via NVGate, WAV, TXT optional UFF, SDF, ATFX

Order Information

OR10-4-M	4-channel ultraportable DAQ with NVGo and standalone licenses
OR10-8-M	8-channel ultraportable DAQ with NVGo and standalone licenses
ORTW-TRG	2 trigger / tach / torsional inputs - 6.4 MHz over-sampling
OR10-CAN	16-channel CAN 2.0 module for OR10
ORNV-NVG-10-D	Dongle-locked NVGate license for OR10 setup and signal import
ORNV-NVG-10-I	Instrument-locked NVGate license for OR10 real-time analysis
ORNV-FFT-I	10-channel instrument-locked FFT analysis module for online analysis
ORNV-FFT-D	10-channel FFT analysis module for post-analysis

Delivery **Availability**: summer 2018. Contact your local OROS distributor for details.