

OROS Direct recording

Stand-alone recording with OROS 3-Series analyzers



OR36, OR38 & Mobi-Pack™ Instruments

Main Features

- 100% PC free data recorder
- Rugged removable Mobi-Disk™
- Records simultaneously:
 - Noise & vibrations
 - Strain gauges*
 - High speed Tachometer
 - DC Parameters*
 - CAN bus*
- Secured data management with DataCare™ DSP technology.
- Embedded bright LCD panel
- Easy to handle control buttons
- Monitoring LED on each channel
- User defined presets built with NVGate® software.
- Built-in battery
- Available on the OR36 and OR38 analyzers

* Optional features

Specifications

- 4 to 32 universal inputs
- Up to 40 kHz bandwidth gap free recording on 32 channels
- 60 GB hard drive for recorded data with USB 2.0 port
- Up to 680 records/disk
- 1 to 12 different presets saved in the analyzer
- On-site modifiable settings:
 - Coupling: AC, DC, ICP, float
 - Input range: 0.1 to 40 V
 - Sampling: 2 to 102.4 kS/s
 - Add/remove inputs
 - Record mode
 - Bridge offset auto-zero
- USB 2.0 on Mobi-Disk™
- Flexible triggering:
 - Periodic
 - Front or level, delta
 - Pre/post trigger

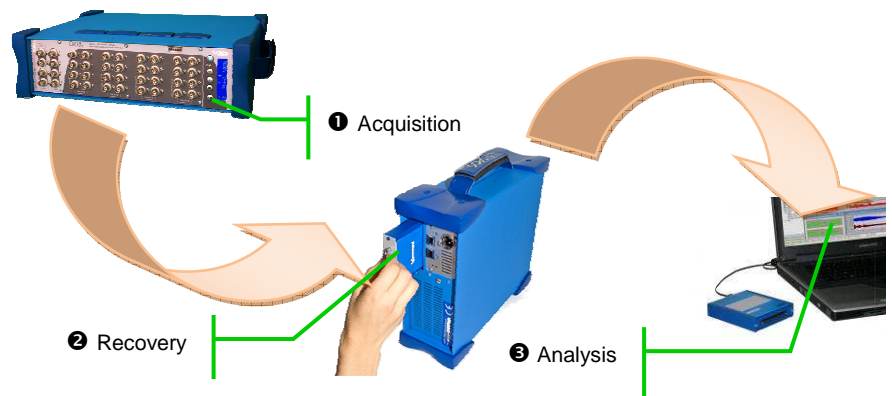
Introduction

Acquiring actual and valuable data on the field is the root of your noise and vibration measurement job. The data must be collected and secured in one pass whatever the environment. The OROS **D-rec** is the **stand-alone solution for a clear, simple and secured data recording** with the OROS 3-Series instrument. With **D-rec** data recording has never been so easy.

The presence of a PC with its complex and fragile interface is definitely not suited for the field conditions. With OROS **D-rec** no hassle while recording data in a **harsh, crowded or disturbed environment**.

The wide range of inputs type from the latest OROS 3-Series analyzers is available for your records: CAN, DC, Tachometers, Strain, all conditioned in a **rugged and portable package**.

A readable control panel with large buttons features clear menus allowing the front-end and recorder setups.



Typical use of **D-rec**:

- ① Records raw time data without any PC
- ② Extract the Mobi-Disk™ from the recorder
- ③ Post-process your data directly through the USB port on your PC

The data storage on hard-drive offers efficient data management with immediate overview of signals, super-fast and accurate navigation into records and short post-processing time.

Description

Direct recording

The **D-rec** option turns the OROS 3-Series analyzers in an **autonomous recorder for noise and vibration measurements**. It allows operating the analyzer as a **100% PC-free digital recorder** from the power-on to the recovery of your precious data on a rugged, extractible hard-drive with a USB 2.0 connection.

Secured acquisitions

With the Digital direct recordings of OROS 3-Series analyzer, the data are continuously secured with OROS *DataCare* DSP technology. Whatever the interruption of the recording process, the **data are safely stored** in the Mobi-Disk™. For rugged conditions like ultra noisy environment (ex. diesel engines) an optional solid state 32 GB Mobi-Disk™ is proposed.

Reloadable presets

Up to 12 user defined recording configurations are saved in the instrument as **D-rec** presets. They are loaded either from the control panel or automatically (routed acquisition). NVGate® will guide you step by step with the **D-rec** wizard to build your own presets.

Flexibility

The control panel offers a great freedom of set up. No need of PC or PDA on the field. Select or unselect inputs, modify front-end settings (coupling, range, etc...) or change the bandwidths easily using the simple effective LCD interface and its accessible buttons.

One instrument, 3 modes

Of course the instrument is still an analyzer for real-time and off-line analyses. With **D-rec** you cover any situation with the same tool.



Stand-alone digital recorder

+



Real-time analyzer with PC

+



Post-processing software with dongle

Modular inputs

D-rec is fully compatible with the wide range of integrated input types and conditioners offered by the 3-Series analyzers' range. With **D-rec** you are able to collect: AC, DC, ICP and Float coupled dynamic signals, bridge conditioned gauges, high resolution parametric signals, CAN bus messages, tachometer and high accuracy torsional inputs.

Applications

- Helicopters/aircraft in-flight test.
- Automotive qualification road-test.
- Military ship and submarine equipments pre & post maintenance signature tests.
- Predictive/preventive maintenance data acquisition on industrial sites.
- Wind turbine tests.
- Army ground vehicles noise signatures acquisition.



Ordering Information

OR36/8-DREC Optional direct recording function for OR36, OR38 and Mobi-Pack™

OR36/8-CAN CAN-BUS interface for OR36 and OR38

OR3X-XPB-B 8 ch. bridge conditioner inputs expander module

ORNV-OFCE Additional NVGate® Office license for post-processing on PC

OR36/8-SSD-32 Additional vibrations' proof 32 GB solid state Mobi-Disk™

