DYNAE

CTMO®

Mobile time signal collector

CTMO® is a handheld 4 channels time signal collector built by EES – Dynae. It has been designed to perform dynamic signals measurements simply, rapidly, and ergonomically:

- CTMO® Recorder : Dynamic signal measurement for machinery vibration monitoring
- CTMO® Balancing : Assisted 1 or 2 planes field balancing
- CTMO® Structure : FRF and ODS measurements
- CTMO® Electric : Electrical signal measurement of motor and generator amp

The CTMO® is in a suitcase including sensors and accessories.

- **Technical data :**
    - 4 channels AC/DC/IEPE +-5v
    - BNC input with RCA safety conectors
    - Sampling max. 51.2kEch/s
    - 24 bits
    - Dynamic 102 dB
    - Windows 8 pro Intel coreI5
    - 4Go Ram SSD 128Go
    - Screen 7" Multi-Touch capacitive
    - Wireless data transfer
    - WLAN, Bluetooth 4.0
    - Camera
    - Tactile tablet IP65
    - 150 cm
    - 6 heures battery
    - Size 220x155x35 mm
    - Weight 1.3Kg
    - Rugged suitcase for transport

- **CTMO® Recorder**

For an efficient collection and control of machine vibration data, the CTMO® records the raw time signals while it displays the basic indicators requested for a preliminary diagnosis on site.
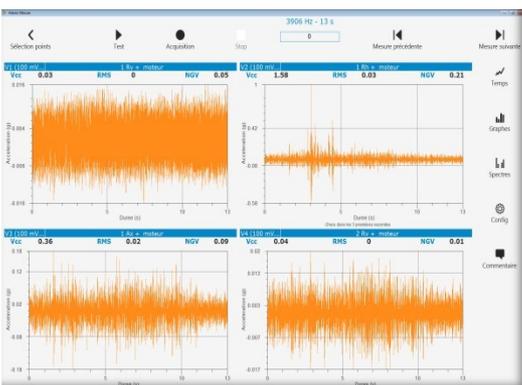After that the data are transferred wireless to a computer to be processed by our software for diagnosis, expertise or monitoring(1).

Accessories :
4 accelerometers EES - DYNAE ICP + magnets

4 cables M12/BNC. Angled or straight connector

▪ CTMO® balancing

Balancing module enables to perform 1 and 2 plane field balancing with wizard and numerous tools.

A real time display controls the stability of the unbalance vector in terms of amplitude and phase.

The assisted mode guides the operator until the final balancing solution.

The free mode enable to memorize several runs to optimize the solution.

routes, the lists of equipment are managed easily by the acquisition module.

Fully compatible with the CTMO®, DynAlim® optimises the loading of routes, and downloading of the recordings collected.

Accessories :

1 optical tachy

3 accelerometers

▪ CTMO® Elec

This application is dedicated to electrical signal signature. Current amp or voltage or motors and generators enables to analyze dynamical torque fluctuations of the shaft line as well as phase unbalance. It is linked to our database deigned for the electrical monitoring of motors and generators(2).
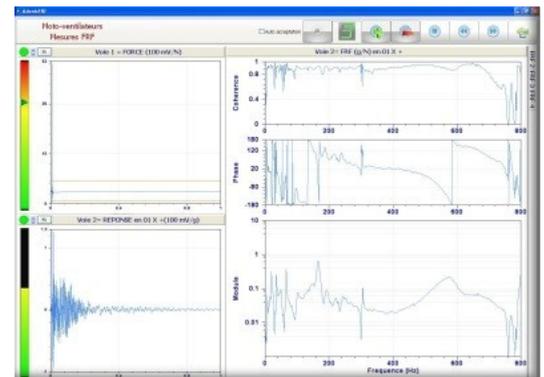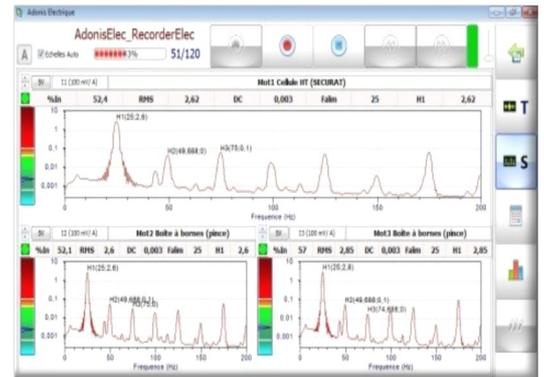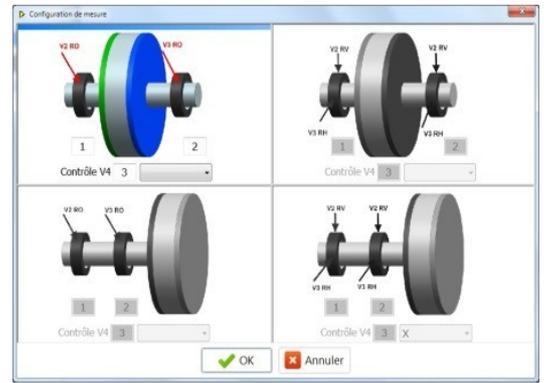

▪ CTMO® Structure

This tool is for FRF and Operational Deflection Shape (ODS) measurements. Collected data are fully compatible with software vibration analysis(1).

Accessories :

1 shock hammer

3 accelerometers

(1) DynamX® Software for the acquisition, analysis and processing of vibration measurement data.
(2) DynAlim® database for the processing and management of electrical signal measurements.

EIFFAGE
ÉNERGIE SYSTÈMES

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