

# DYNO COMPACT

## ***Computerised system for Gastrointestinal motility testing***



Dyno Compact can either be based on one trolley (all-in-one system) or upon two units. In all-in-one configuration, the system is based on a trolley housing the personal computer, monitor and printer as well as the power supply with insulation transformer of medical grade.

The peripherals and acquisition box (ACQ BOX) are mounted on a pole in the left or right side (as you like) of the trolley.

## VERSATILE DIAGNOSTIC SYSTEM

- Double unit version**  
Central Unit provided with a trolley to carry the computer, printer and isolated power supply with insulated transformer.  
Patient Unit provided with a IV pole on which the acquisition box , perfusion pump and puller are installed. The lightweight pole allows the operator to place it easily near the patient.
- Single Unit version**  
More compact version , it is based on a single trolley
- Acquisition unit up to 16 channels of Pressure, Electromyography, Breath, Swallow, pH
- Perfusion pump with 8 plastic capillaries housed in cartridges easily replaceable
- Air Compressor to power the pump with 2 bacteriologic filters.
- Withdrawer of the catheter with speed controlled via software or remote control.
- Infrared Remote control, to handle the main functions.
- Remote assistance via modem.  
Extremely useful to give prompt support and for software upgrading.

ACQ BOX



AIR-COMP



WTH

## EASILY EXPANDABLE SYSTEM

A wide range of modules is available:

- Video-Manometry. Images and short movies are captured from X-ray equipment and ultrasound and shown upon the tracings or beside them to give the possibility of a comprehensive evaluation of the digestive tube.
- Module of Neurophysiology . It evaluates: Pudendal Motor Nerve Latency, Sacral Reflexes, simple EMG and quantitative EMG.
- Urodynamics: By adding a peristaltic pump, a uroflowmeter and the urodynamic software PICO3000 the system allows performing and analysing all the urodynamic studies.

## Package Software Dyno 3000:

DYNO COMPACT works with the suite DYNO 3000, a powerful software package to manage all the GI motility testing and Gastroesophageal pHmetry.

### WIDE RANGE OF APPLICATIONS

#### Oesophageal manometry

- Stationary Pull Through of the Lower and Upper Oesophageal Sphincters.
- Rapid (continuous) Pull Through
- Vector Volume
- Sphincter relaxations
- Peristalsis of the oesophageal body.

#### Gastroesophageal PHmetry

Alone or combined with ambulatory manometry recording.

#### Small Bowels Manometry

To study the Migrating Motor Complex

#### Biliary Ways Manometry

To evaluate the pressure inside the Oddi's sphincter and inside the Pancreatic duct.

#### Colon Manometry

It analyses the segmental contractions as well as the high-amplitude propagated contractions.

#### Anorectal Manometry

- Stationary Pull through at rest and during squeezing
- Rapid Pull through
- Vector Volume
- Sphincter Relaxation
- Recto Anal Inhibitory Reflex (RAIR)
- Rectal Compliance
- Rectal Sensations
- Push test
- Simultaneous recording of pressure and EMG

#### Software package for biofeedback training

Protocols based on 1 or 2 pressure channels, 1 or 2 EMG channels or combined channels.

**Voice:** software for vocal commands and comments recording.

### DYNO 3000: A COMPREHENSIVE SOFTWARE PACKAGE

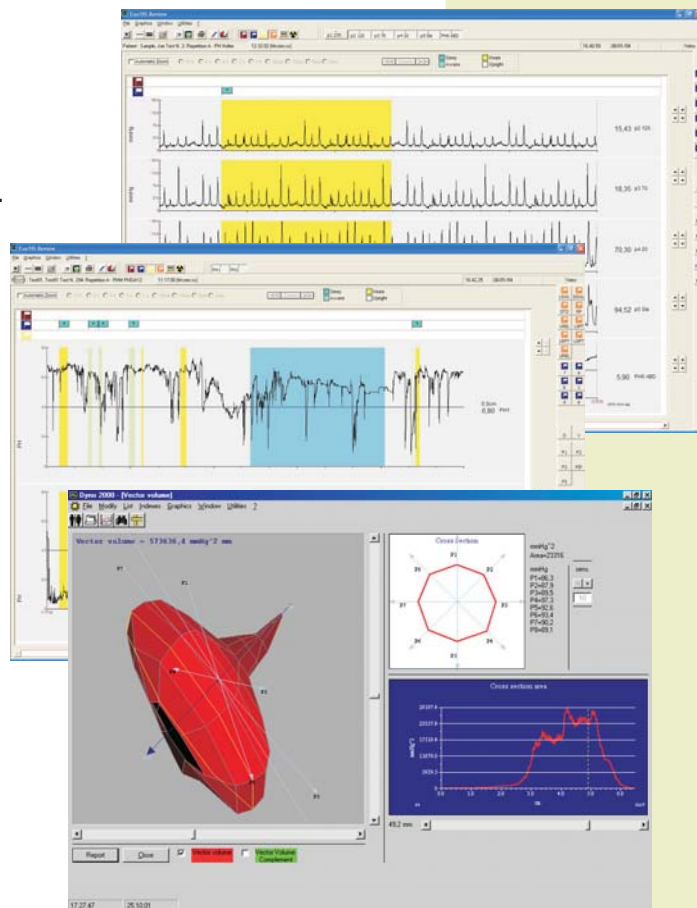
Provided with powerful tools:

Database compatible with MS-Access®

Wide range of application protocols, built-in and/or tailor-made

Medical reports based on preset templates or tailor-made ones

Export, a software to export data, results and tracing toward MS- Office® (Excel - Power Point - Word).



## SAFE STUDIES

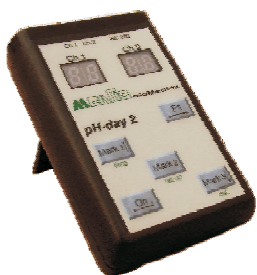
- Thanks to the automatic data rescue the study interrupted for any reason, even in case of power failure, is resumed from the point where it was interrupted.
- The historical review feature allows the operator to recall the tracing acquired till that point while the recording keeps on. That gives the possibility in any moment to make sure that consistent data are being recorded.

## NETWORK AND DICOM CONNECTIVITY

The network connectivity of DYNO 3000 it also includes the DICOM compatibility. It is possible to share the data in the network so that the operator can analyse the studies and prepare a medical report from another site even through internet connections.

## COMPATIBLE WITH SEVERAL SYSTEMS

The software package DYNO 3000 is compatible with the entire range of systems manufactured by Menfis bioMedica for GI motility testing and Gastroesophageal pHmetry such as:



### PH-DAY2

A powerful, lightweight, 2-channel pHmeter with all the analytical capabilities of the bigger systems.

### BLU RUNNER

8-channel versatile system, for ambulatory recording of pressure, pH and EMG



BLU RUNNER

## A COMPLETE RANGE OF ACCESSORIES

Menfis offers to his customers a wide range of accessories and disposable

- Water perfused, multilumens, single-use catheters for GI manometry.
- Re-usable solid-state catheters to record pressure and pH.
- Catheters for pHmetry in glass and antimony, both single use and reusable.
- Buffer solutions
- Surface and needle electrodes for EMG, single-use and re-usable.
- Pressure transducers single use and re-usable.

For further information visit us at our web site [www.menfis.it](http://www.menfis.it)

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