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Smart Medical Group

ISOLAB HR

The Multi Channel System for Functional Diagnostic

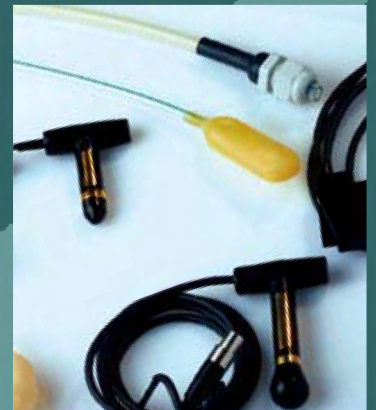
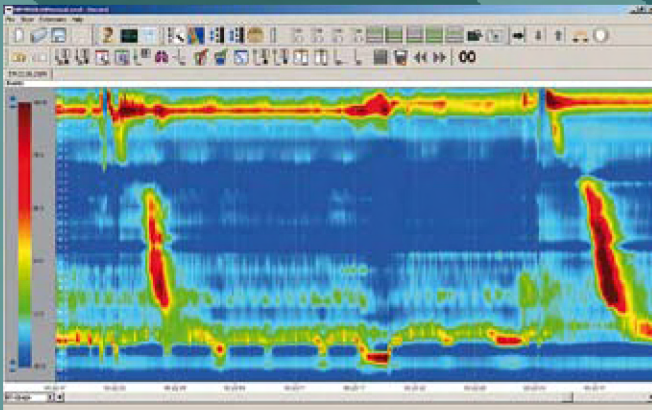
- High resolution and standard manometry
- Configurable modular structure
- Diagnostic in the whole digestive tract



**Standard Instruments
GmbH**



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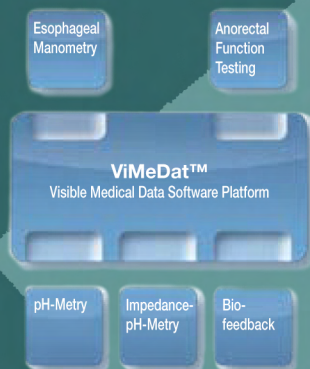


ISOLAB HR is a modular structured system with which pressure and EMG-signal from the digestive tract can be obtained. The system can be expanded to other signals so that both routine and research tasks can be met.

The ISOLAB HR system is compatible with catheters for high resolution manometry as well as with semiconductor and perfusion catheters for standard manometry. The system is equally well applicable for both esophageal or anorectal manometry.

In combination with the ViMeDat™ (Visible Medical Data) software arises an integrated system for user friendly esophageal and anorectal functional disorder diagnostics. Modules for pH-metry and Impedance/pH-metry are also available and complement the system.

ViMeDat™ ensures a rapid and reliable diagnose. Both the topography as well as the classic presentation are available through an intuitive graphical user interface. The reports are fully configurable and Microsoft Word and OpenOffice compatible.



TECHNICAL DATA

High resolution manometry with 36 or more channels (Semiconductor and/or up to 21 channel perfusion manometry, configurable via software), EMG, Ballon pressure, supplementable signal modules, complete patient isolation through the system, interfacing to the computer through and isolated USB connection.

Data resolution: 16 bit
Sampling frequency up to 1000 Hz.

SOFTWARE REQUERIMENTS

Computer - USB connection , 2 GB RAM, 1 GB free HD space, Mouse
Display - Minimum 800x600
Operating System - Windows XP, Windows Vista, Windows 7
Max OS X 10.5 or higher
Linux Ubuntu 8.04 LTS or higher

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