Ohmega
Ambulatory Impedance-pH Recorder

- Comprehensive reflux measurement

- Easy to use with our Virtual Instructor Program™

- Online view of data recording with Bluetooth®

- Lightweight and small recorder

MMS
Medical Measurement Systems

Acidic and non-acidic esophageal reflux detection has never been more complete!

- Recording up to 12 Impedance and 4 pH channels.

- Antimony or ISFET pH recording.

- Symptom analysis software provides the user with information about the correlation between symptoms and events

- Virtual Instructor Program™ (VIP) guides the user to successfully complete reflux measurement procedures with minimal training.

- Wireless Bluetooth® technology makes it possible to view data while recording.

- High quality signal recording verified before the patient leaves the clinic.

- Intermediate review of recorded data.

- Easy to insert high quality disposable and reusable catheters.

- Small and lightweight recorder. Pediatric carrying bag available.

- Up to 4 pressures can be added to the Ohmega as an option.

- A sleeplab interface unit, for a maximum of 16 analogue channels can be added to the Ohmega as an option.

Patients can indicate pain and other events at the push of a button.

Ohmega:
Complete reflux measurement

The Ohmega is a small and lightweight ambulatory system which combines Impedance recording and pH recording. As a result, the Ohmega detects reflux activity using Impedance and categorizes these reflux episodes as acidic or non-acidic (weakly acidic), using traditional pH measurement. Gas and mixed liquid/gas reflux episodes are analyzed as well.

Unique features

The Virtual Instructor Program™ helps to complete the procedure successfully with minimal training. Bluetooth® capabilities make it possible to view and check data on a computer monitor while recording. The intelligent symptom analysis software quantifies reflux episodes quickly and simply.

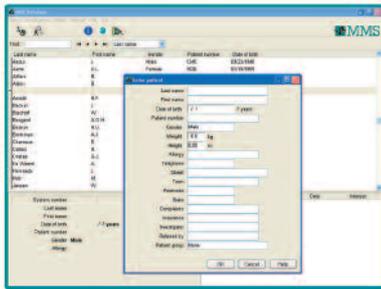## Diagnose patients on PPI therapy

Gastro-Esophageal Reflux Disease (GERD) is caused by the reflux of gastric contents into the esophagus. Typical patient symptoms are heartburn, regurgitation, and chest pain. These patient groups are often on PPI medication, but non-acidic reflux can still cause symptoms. Traditional pH recording only records acidic pH reflux episodes. Impedance-pH detects both acidic and non-acidic reflux episodes.

Combined Impedance-pH recording is clinically useful in the evaluation of symptoms under PPI therapy, as well as for hoarseness, unexplained cough, and applications of particular interest.
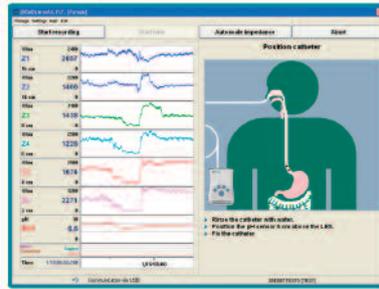
Virtual Instructor Program™ (VIP): Complete and successful esophageal reflux measurement in 6 steps!
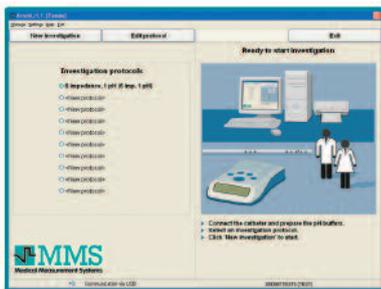
Medical Measurement Systems developed the Virtual Instructor Program™ to successfully guide users through the software program of the Ohmega. The pre-defined protocol includes questions and answers in database set-up, calibration, recording, and printing of results.
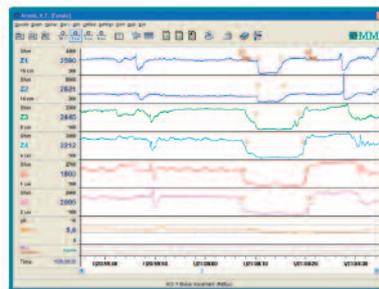

1. Select and enter a patient from MMS database.

2. Select a pre-defined Investigation protocol.

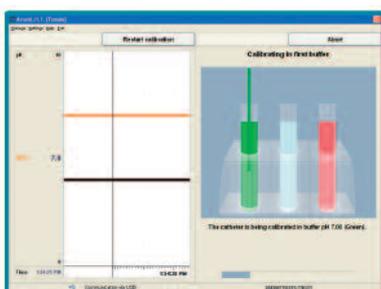**3.** VIP will then guide you through the calibration process.

4. Position pH sensor (normally 5 cm above the LES). Instruct the patient on the use of recorder and send them away for the duration of the study.

5. Download and review Impedance-pH data and acidic / non-acidic reflux markers.

6. Print your customized report.

Pediatrics

The Ohmega is lightweight and very small, which makes it easy to be carried around by children. With a special pediatric carrying bag, the examination is even more kid-friendly!

The Ohmega Impedance-pH recorder can be equipped with ISFET pH channels to better record alkaline pH (pH 7 and higher). Bluetooth® offers the opportunity to study the recorded data while the patient is playing or walking around.

Ohmega in pediatric bag

Solar GI Stationary Impedance & Manometry System

Multi-channel Intraluminal Impedance (MII) is a new technique available for the evaluation of esophageal bolus transit and reflux, similar to barium swallow, but without exposure to radiation. Combined with stationary manometry, detailed information is provided on the function of the esophagus.

Solar GI records up to 12 Impedance channels and 36 Pressure channels. High Resolution Manometry (HRM), Swallow & Respiration, stationary pH, Barostat, TMPD, Video Swallow, and Anorectal manometry studies are available.

Solar GI Stationary Impedance & Manometry System.

Ohmega Technical Specifications

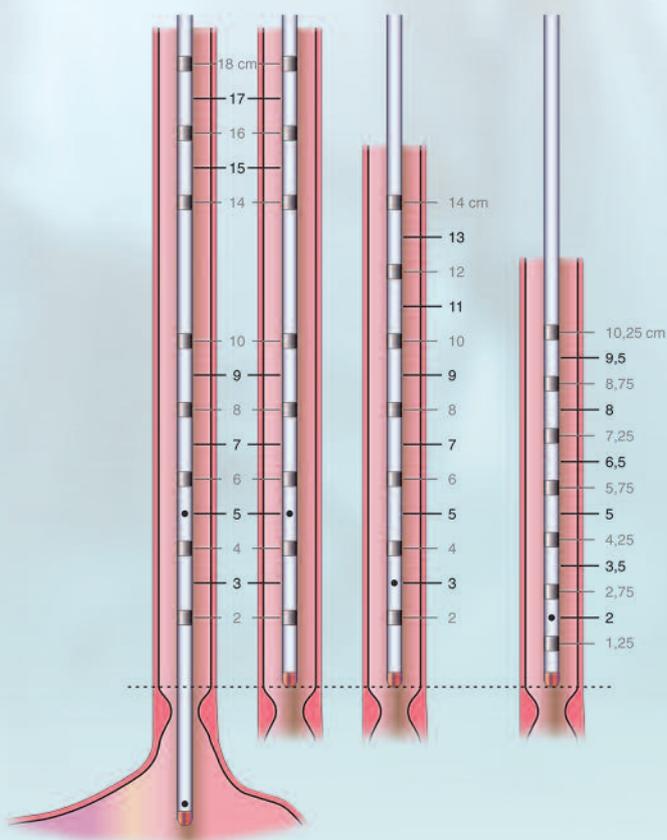|	
Impedance channels	Up to 12
pH channels	4 Antimony, 2 ISFET, 1 Glass
LES locator	Yes
Pressures	Up to 4
Sleeplab output	Optional (16 channels)
Data transmission	USB / Bluetooth®
Size	2,8 x 9,0 x 13,0 cm (H x W x D)
Weight	210 grams incl. battery
Batteries	1 x AA
Impedance sample rate	50 Hz
Intermediate review	Yes
On-line view	Yes, via Bluetooth®
Pediatric carrying bag	Yes
Recording pH only	Yes, with standard pH probe

Complete range of catheters

MMS offers a broad range of Impedance and pH catheters. A wide variety in Impedance and pH channels, as well as diameters, are available. MMS catheters are flexible, easy to insert, and have an internal reference electrode.

- Single use Impedance-pH catheters
- Multi-use Impedance-pH catheters
- Single use and reusable Antimony pH catheters
- Single use and reusable ISFET pH catheters
- pH calibration kits
- pH buffer solutions

MMS offers a broad range of catheters, buffer solutions, and accessories.

MMS offers catheters with a wide variety of impedance and pH channels, as well as diameters.

Your official MMS distributor:

MMS
Medical Measurement Systems