



# Reflux Monitoring

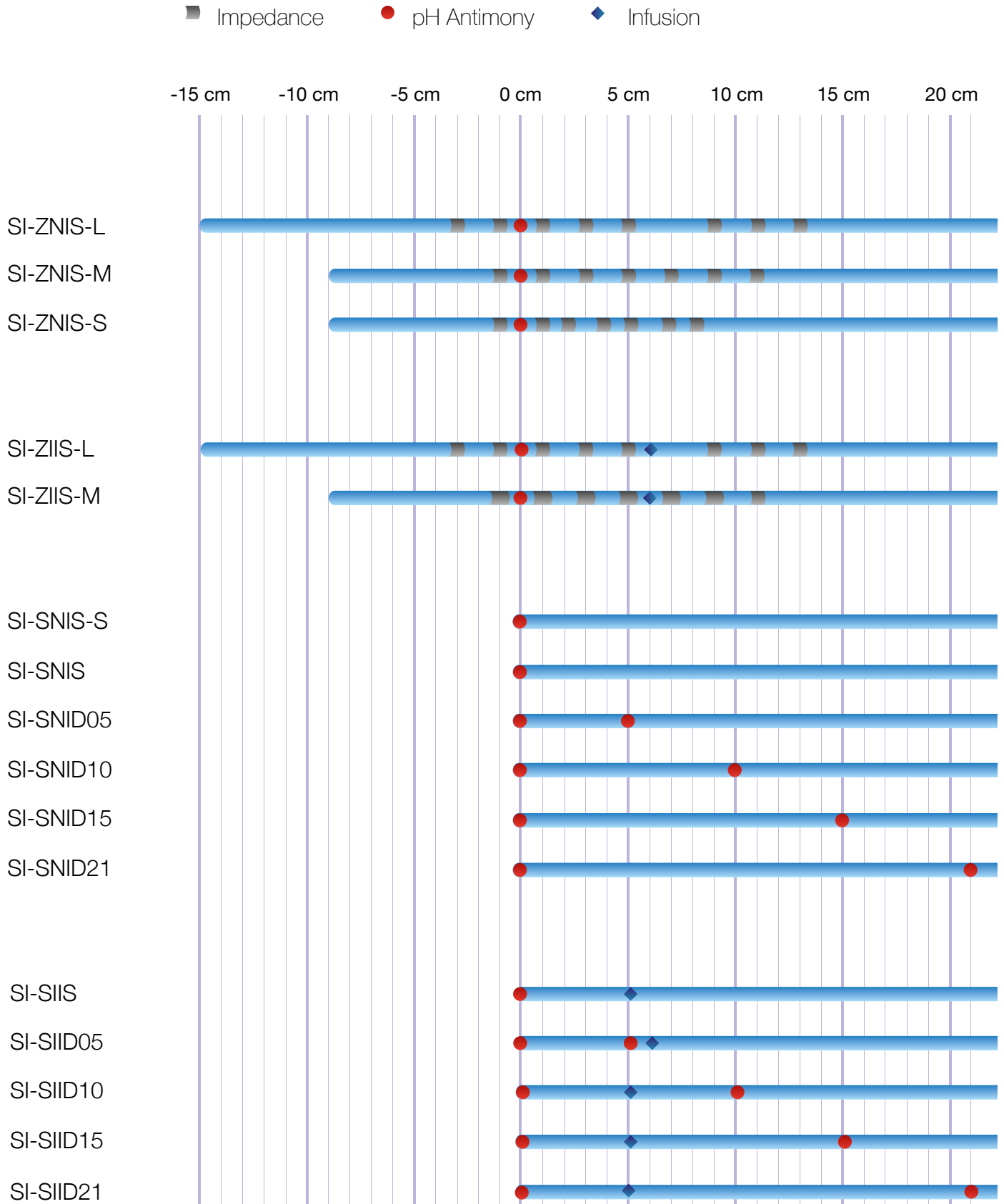
Easy diagnosis of reflux disorders

- Automated Analysis / Fast learning curve
- Fully automated characterization of all reflux events
- All clinically accepted scores available
- Wizard driven system with wide range of catheters



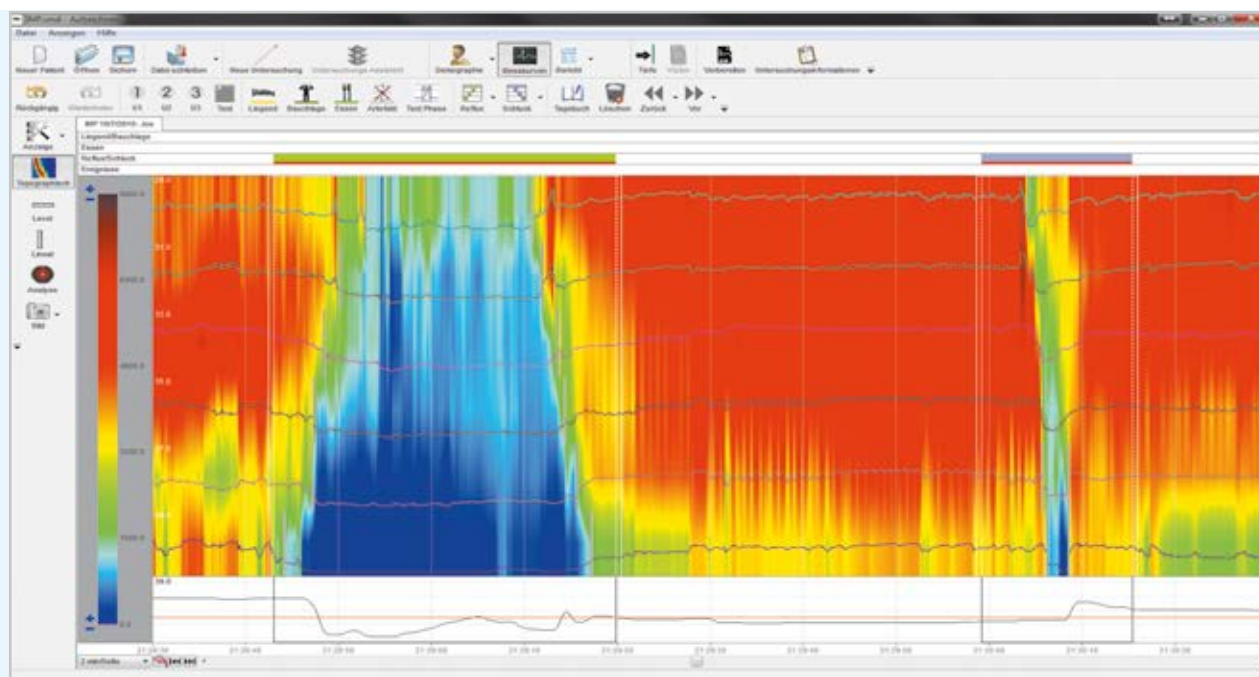
# Impedance-pH Catheters

Models for every purpose



# Reflux Monitoring

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## Gastroesophageal reflux disease (GERD)

In the western world one in five people suffers from symptomatic gastroesophageal reflux disease. Using the patients medical history and conducting an EGD currently only 40 percent can be successfully detected. Thus, in more than half of all patients, no endoscopically visible lesions are evident. With an appropriate reflux monitoring system, these 60 percent can be safely identified and diagnosed correctly. Typical indications for conducting reflux monitoring are:

- Confirm diagnosis of GERD
- Refractory symptoms with ongoing acid suppression medication
- Before and/or after anti-reflux surgery
- For atypical symptoms such as coughing, regular regurgitation and suspected rumination syndrome

Conducting 24-hour impedance/pH-metry represents the diagnostic gold standard.

**Impedance/pH** monitoring has made the reflux diagnostics much more simple than the early days. Gone are false positives due to drinking of contents with a low pH value and clear details about bolus direction, height of the reflux, acid clearance and bolus clearance as well as the contents of the reflux (liquid, mixed or gas) can now be determined. With the wizard driven ZALT™ from Standard Instruments, the procedure can now be prepared with the absolute minimum of effort. Both impedance/pH as well as classical pH only measurements are supported. Depending on the esophagus length various catheter models are available for selection so that the study quality can be maximized. All catheters offered are latex free and offer the best comfort for the patients.



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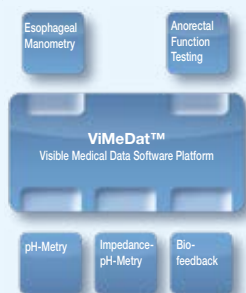
Easy diagnosis of reflux disorders



**Standard Instruments GmbH** located in Karlsruhe, Germany, founded in 1994, has provided innovative solutions for clinical professionals for more than 25 years. Standard Instruments is proud to introduce the next generation Impedance/pH recorder.

**ZALT™** is a small and lightweight device which can do both classical pH-metry as well as combined Impedance-pH measurements. The system can be used with different catheters. The recorded data is stored internally and can be read/viewed via Live View. Configuration as well as the assignment of the symptom buttons is done via an integrated wizard interface in the analysis software.

In combination with the ViMeDat™ (Visible Medical Data) software arises an integrated system for user friendly reflux diagnostics. 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 LibreOffice compatible.



## Technical Data

- up to 7 channels impedance
- 3 channels pH
- 1 channel pressure
- 6 event buttons (3 user definable)
- Visual, Audio and Tacticle responses on keys

## Measurement range

pH	pH 0 – pH 10
Impedance	200 – 10000 Ω
Pressure	-50 to +300 mmHg

## Software Requirements for ViMeDat™-Software

Computer	USB connection, 4 GB RAM 1 GB free HD space, Mouse
minimum resolution	1366 x 768
Operating System	Windows 7 or higher



Standard Instruments

