2010/11

US Hospital Product Catalog
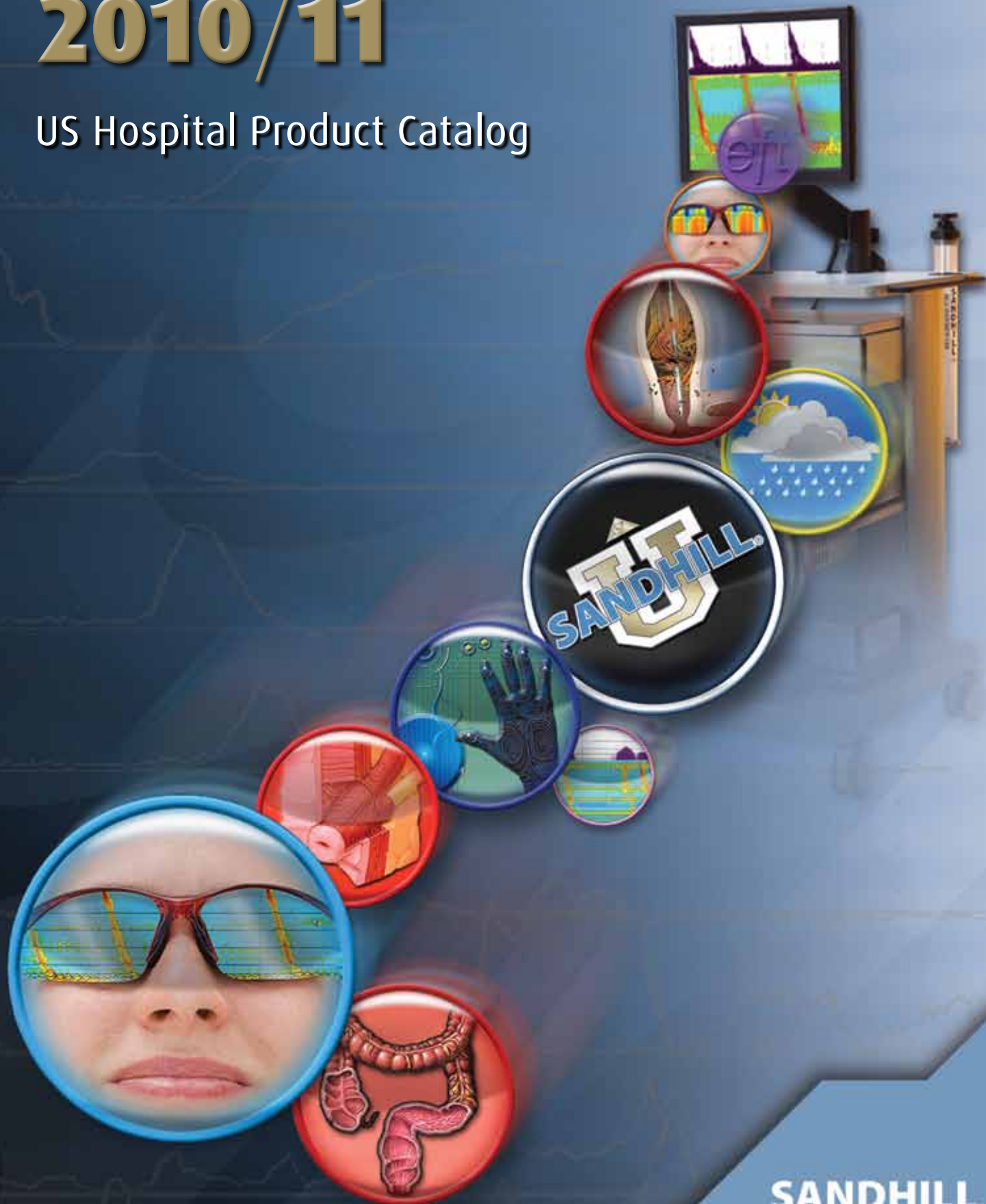
SANDHILL
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AMBULATORY REFLUX MONITORING SYSTEMS

ESOPHAGEAL MANOMETRY SYSTEMS   ANORECTAL MANOMETRY SYSTEMS   BILIARY MANOMETRY SYSTEMS   COMPUTER SPECIFICATIONS   HOSPITAL INFORMATION SYSTEMS   EXTENT OF LIMITED WARRANTY

TABLE OF CONTENTS

1.1   ZepHr® Z/pH System

Z07-2000B-SB   ZepHr® Z/pH System
Includes ZepHr Z/pH recorder, software, calibration kit and accessories.

Z07-2000B-B   ZepHr Additional Recorder, Z/pH

ZepHr Z/pH System includes:

· ZepHr Z/pH Recorder
· BioVIEW® ZepHr Analysis & Recording Software
  pH Calibration Kit (Includes one bottle each of
  pH 4 & pH 7 buffer solutions, calibration tubes
  and stand)
· Thermoform pouch
· SD™ Flash Memory card
· SD™ card reader, USB connected with cable
· Catheters to be purchased separately
  (NOTE: infused catheters require use of the
  Airflow Sphincter Locator)
· PC computer (not included)

SD card

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1.2   ZepHr® pH Only System

Z07-2000B-SA **ZepHr® pH Only System**
Includes ZepHr pH only recorder, software, calibration kit and accessories.

Z07-2000B-A **ZepHr Additional Recorder, pH Only**

Z07-0171B **Upgrade from ZepHr pH Only to ZepHr Z/pH, per recorder. Initial purchase of a pH Only ZepHr REQUIRED. Upgrade is recorder serial number specific.**

ZepHr® pH Only System includes:

· ZepHr pH Only Recorder

· BioVIEW® ZepHr Analysis & Recording Software pH Calibration Kit (Includes one bottle each of pH 4 & pH 7 buffer solutions, calibration tubes and stand)

· Thermoform pouch

· SD™ Flash Memory card

· SD™ card reader, USB connected with cable

· Catheters to be purchased separately (NOTE: infused catheters require use of the Airflow Sphincter Locator)

· PC computer (not included)

1.3   Systems & Accessories for Z/pH & pH Only Systems

A04-2000-S AirFlow Sphincter Locator
LES locator for pH or Z/pH reflux testing. Used with ZepHr or Sleuth systems, recorders, and catheters. Infused catheters are required for use.

AIRFLOW SPHINCTER LOCATOR

L89-5700 USB Multicard Reader Kit

Z07-1250-2G SD™ Flash Memory Card (2GB)

Z00-1250-256 CompactFlash® Card
256 MB memory card for Sleuth or original ZepHr recorder

Z07-8002 Pouch, ZepHr, Thermoform

Z07-4055 ZepHr catheter door, smoke plastic

Z07-4053 ZepHr battery door

Z00-7000-1 Time Sync device for Sleuth® or ZepHr recorders

D82-3103 pH 1 Buffer Solution - pH 1 Solution (500 mL bottle).
For use with pH reflux testing systems and catheters.

D82-3151 pH 4 Buffer Solution (500 mL bottle).
For use with Sandhill pH or Z/pH reflux testing systems and catheters.

D82-3152 pH 7 Buffer Solution (500 mL bottle).
For use with Sandhill pH or Z/pH reflux testing systems and catheters.

L89-8081 Calibration tube, water, 36 cm

L89-8082 Calibration tube, buffer, 36 cm – please specify pH 4 or 7

NG-0040 Catheter Adhesive Strips - PED
pH Catheter Adhesive Strips - Pediatric Size (40 each)

NG-0050 Catheter Adhesive Strips - ADULT
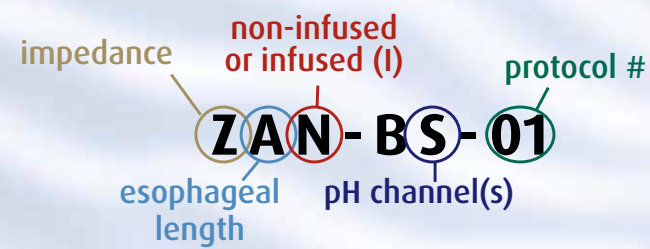pH Catheter Adhesive Strips - Adult Size (50 each)

NG-0060 Catheter Adhesive Strips - INFANT
pH Catheter Adhesive Strips - Infant Size (60 each)

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impedance
non-infused or infused (I)
protocol #

ZAN-BS-01

esophageal length
pH channel(s)

2.1 Single-Use Z/pH Catheters (Internal Reference)

ZAN-BS-01
ComforTec® Z/pH - Single-use Catheter, ≥ 18 cm Esophageal length, Non-infused, 6 impedance, 1 pH channel, Diameter 6.4 FR / 2.13 mm. Internal reference.

ZAN-BG-44
ComforTec Z/pH - Single-use Catheter, Gastric, ≥ 18 cm Esophageal length, Non-infused, 6 Impedance, 2 pH channels, -15 & 0, Diameter 6.9 FR / 2.3 mm. Internal reference.

ZPN-BS-46
ComforTec Z/pH - Single-use Catheter, 15-18 cm Esophageal length, Non-infused, 6 impedance, 1 pH channel, Diameter 6.4 FR / 2.13 mm. Internal reference.

ZAN-BD-31
ComforTec Z/pH - Single-use Catheter, ≥18 cm Esophageal length, Non-infused, 6 impedance, 2 pH channels, 0 & 15 cm, Diameter 6.4 FR / 2.13 mm. Internal reference.

ZAI-BS-01
ComforTec Z/pH - Single-use Catheter, ≥ 18 cm Esophageal length, Infused, 6 Impedance, 1 pH channel, Diameter 6.9 FR / 2.3 mm. Internal reference.

ZAI-BG-44
ComforTec Z/pH - Single-use Catheter, Gastric, ≥ 18 cm esophageal length, Infused, 6 impedance, 2 pH channels, -15 & 0 cm, Diameter 6.4 FR / 2.13 mm. Internal reference.

ZAI-BD-31
ComforTec Z/pH - Single-use Catheter, ≥ 18 cm esophageal length, Infused, 6 Impedance, 2 pH channels, 0 & 15 cm, Diameter 6.9 FR / 2.3 mm. Internal reference.

ZPI-BS-46
ComforTec Z/pH - Single-use Catheter, 15-18 cm Esophageal length, Infused, 6 impedance, 1 pH channel, Diameter 6.9 FR / 2.3 mm. Internal reference.

ZPI-BS-50
ComforTec Z/pH - Single-use Catheter, 15-18 cm Esophageal length, Infused at 6 cm, 6 impedance, 1 pH channel, Diameter 6.9 FR / 2.3 mm. Sensor spacing at 1.5 cm. Internal reference.

ZPI-BG-52
ComforTec Z/pH - Single-use Catheter, Gastric,15-18 cm Esophageal length, Infused, 6 impedance, 2 pH channels, -12 & 0 cm, Diameter 6.4 FR / 2.13 mm. Sensor spacing 1.5 cm. Internal reference.

ZPN-BS-50
ComforTec Z/pH - Single-use Catheter, 15-18 cm Esophageal length, Non-infused, 6 impedance, 1 pH channel, Diameter 6.9 FR / 2.3 mm. Sensor spacing at 1.5 cm. Internal reference.

ZPN-BG-07
ComforTec Z/pH - Single-use Catheter, Gastric, 15-18 cm Esophageal Length, Non-infused, 6 impedance, 2 pH channels, -12 & 0 cm, Diameter 6.4 FR / 2.13 mm. Internal reference. Sensor spacing 2 cm. Internal reference.

ZIN-BS-51
ComforTec Z/pH - Single-use Catheter, < 15 cm Esophageal Length, Non-infused, 6 impedance, 1 pH channel, Diameter 6.4 FR / 2.13 mm. Internal reference.

2.2 Single-Use Z/pH Catheters (External Reference)

ZAN-BS-01E
ComforTec® Z/pH - Single-use Catheter, ≥ 18 cm Esophageal length, Non-infused, 6 impedance, 1 pH channel, Diameter 6.4 FR / 2.13 mm. External reference.

ZAN-BG-44E
ComforTec Z/pH - Single-use Catheter, Gastric, ≥ 18 cm Esophageal length, Non-infused, 6 Impedance, 2 pH channels -15 & 0 cm, Diameter 6.9 FR / 2.3 mm. External reference.

ZPN-BS-46E
ComforTec Z/pH - Single-use Catheter, 15-18 cm Esophageal length, Non-infused, 6 impedance, 1 pH channel, Diameter 6.4 FR / 2.13 mm. External reference.

ZPN-BG-07E
ComforTec Z/pH - Single-use Catheter , Gastric, 15-18 cm Esophageal length, Non-infused, 6 impedance, 2 pH channels -12 & 0 cm, Diameter 6.4 FR / 2.13 mm. External reference.

ZIN-BS-45E
ComforTec Z/pH - Single-use Catheter, < 15 cm Esophageal length, Non-infused, 6 impedance, 1 pH channels, Diameter 6.4 FR / 2.13 mm. External reference.

ZAI-BS-01E
ComforTec Z/pH - Single-use Catheter, ≥ 18 cm Esophageal length, Infused, 6 Impedance, 1 pH channel, Diameter 6.4 FR / 2.13 mm. External reference.

ZAI-BG-44E
ComforTec Z/pH - Single-use Catheter, Gastric,≥ 18 cm Esophageal length, Infused, 6 impedance, 2 pH channels, -15 & 0 cm, Diameter 6.9 FR / 2.3 mm. External reference.

ZAI-BD-31E
ComforTec Z/pH - Single-use Catheter, ≥ 18 cm Esophageal length, Infused, 6 impedance, 2 pH channels, 0 & 15 cm, Diameter 6.9 FR / 2.3 mm. External reference.

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PART 2:   CATHETERS FOR Z/PH STUDIES
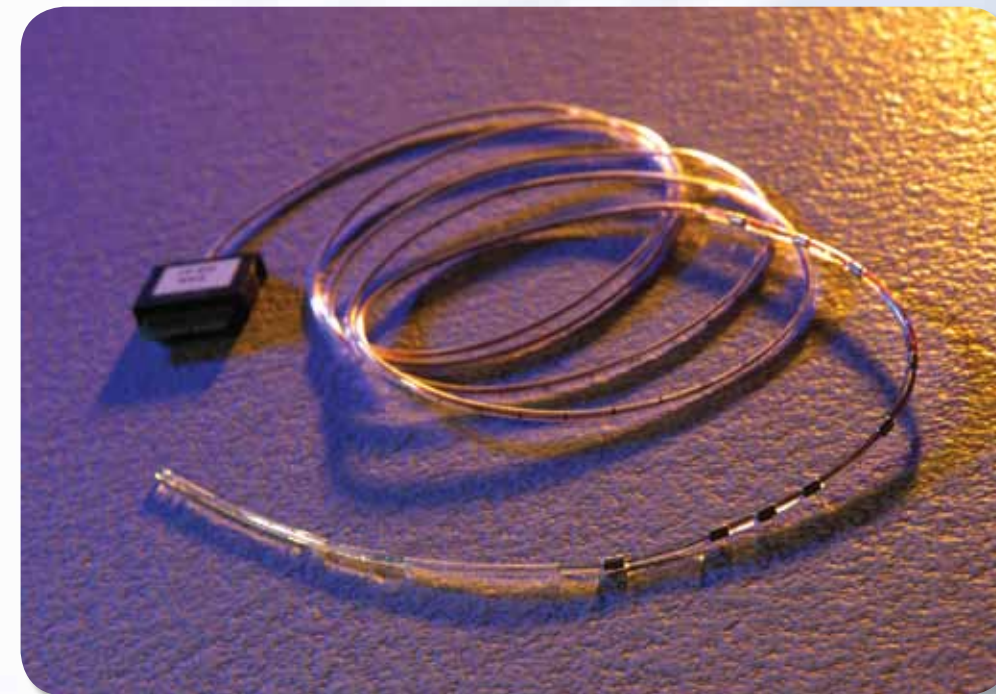
2.3   Acid LPR Catheters (External Reference)

ComforTec LPR (Laryngo-Pharyngeal Reflux also known as extra-esophageal reflux) catheters have the incremental capability to detect acid reflux above the UES (Upper Esophageal Sphincter). All models also detect both acid and nonacid esophageal reflux using traditional impedance/pH monitoring techniques.

Single branch acid LPR catheter models are used based on the patient's esophageal length and the correct model should be selected. Single branch catheter models must be positioned relative to the UES. The 0 cm point is the proximal pH sensor. All ComforTec catheters are latex free.

ZPI-BL-23E	Esophageal Reflux + Acid LPR Detection, 17-19 cm Esophageal length, Infused, 6 Impedance, 2 channels, pH -16 & 0, Diameter 6.9 FR / 2.3 mm. External reference.
ZPI-BL-24E	Esophageal Reflux + Acid LPR Detection, 14-16 cm Esophageal length, Infused, 6 Impedance, 2 channels, pH -14 & 0, Diameter 6.9 FR / 2.3 mm. External reference.
ZPI-BL-25E	Esophageal Reflux + Acid LPR Detection, 11-13 cm Esophageal length, Infused, 6 Impedance, 2 channels pH -12 & 0, Diameter 6.9 FR / 2.3 mm. External reference.
ZAI-BL-26E	Esophageal Reflux & LPR catheter, 26-28 cm Esophageal length, Infused, 6 Impedance, 2 pH Channels -25 & 0, Diameter 6.9 FR / 2.3 mm. External reference.
ZAI-BL-27E	Esophageal Reflux + Acid LPR Detection, 23-25 cm Esophageal length, Infused, 6 Impedance, 2 channels, pH -22 & 0, Diameter 6.9 FR / 2.3 mm. External reference.
ZAI-BL-28E	Esophageal Reflux + Acid LPR Detection, 20-22 cm Esophageal length, Infused, 6 Impedance, 2 channels, pH -19 & 0, Diameter 6.9 FR / 2.3 mm. External reference.
ZAI-BL-48E	Esophageal Reflux + Acid LPR Detection, Dual Branch, Infused, 6 Impedance, 2 channels, pH 0 & 0, Diameter 6.9 FR / 2.3 mm. Proximal branch 126 cm & Distal branch 150 cm. External reference.

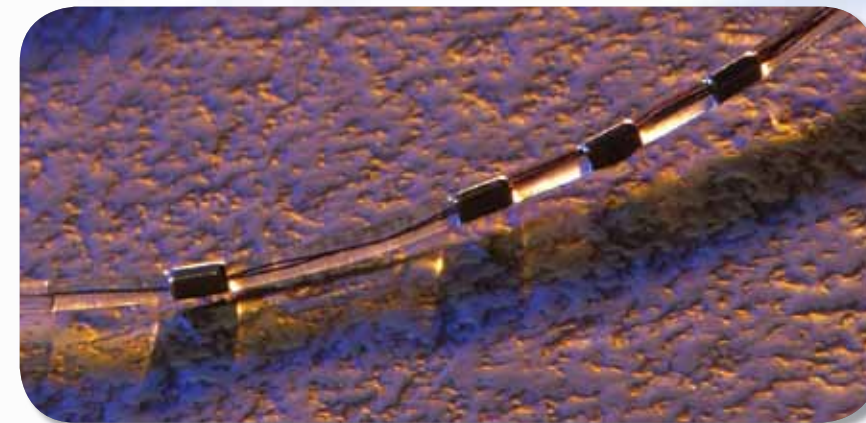## PART 3:   CATHETERS FOR PH STUDIES

3.1   Single-Use pH Only Catheters, Non-Infused

Exclusively from Sandhill Scientific, ComforTec® PLUS single-use acid (pH) reflux monitoring catheters are the perfect choice for every application. Available in both adult and pediatric sizes, these catheters are designed for optimal ease of insertion.

Small in diameter, ComforTec PLUS acid (pH) catheters are made from a specially formulated polyurethane, which softens in response to body temperature to optimize patient comfort. All ComforTec catheters are latex free.

Non-Infused

PHNS-P	ComforTec PLUS - Single-use pH Catheter. Single channel, Pediatric, Non-infused, Diameter 5 FR / 1.67 mm. Internal reference.
PHNS	ComforTec PLUS - Single-use pH Catheter. Single channel, Non-infused, Diameter 6.4 FR / 2.13 mm. Internal reference.
PHN5	ComforTec PLUS - Single-use pH Catheter. Dual channel, 5 cm spacing, Non-infused, Diameter 6.4 FR / 2.13 mm. Internal reference.
PHN10	ComforTec PLUS - Single-use pH Catheter. Dual channel, 10 cm spacing, Non-infused, Diameter 6.4 FR / 2.13 mm. Internal reference.
PHN15	ComforTec PLUS - Single-use pH Catheter. Dual channel, 15 cm spacing, Non-infused, Diameter 6.4 FR / 2.13 mm. Internal reference.
PHN21	ComforTec PLUS - Single-use pH Catheter. Dual channel, 21 cm spacing, Non-infused, Diameter 6.4 FR / 2.13 mm. Internal reference.
PHN10- P	ComforTec PLUS - Single-use pH Catheter. Dual channel, 10 cm spacing, Non-infused, Diameter 5 FR / 1.67 mm. Internal reference.

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PART 3:   CATHETERS FOR PH STUDIES

3.2   Single-Use pH Only Catheters, Infused

Exclusively from Sandhill Scientific, ComforTec® PLUS single-use acid (pH) reflux monitoring catheters are the perfect choice for every application. Available in both adult and pediatric sizes, these catheters are designed for optimal ease of insertion.

Small in diameter, ComforTec PLUS acid (pH) catheters are made from a specially formulated polyurethane, which softens in response to body temperature to optimize patient comfort. All ComforTec catheters are latex free.

Infused (requires AirFlow Sphincter Locator)

PHIS	ComforTec PLUS - Single-use pH Catheter. Single channel, Infused, Diameter 6.9 FR / 2.3 mm. Internal reference.
PHI5	ComforTec PLUS - Single-use pH Catheter. Dual channel, 5 cm spacing, Infused, Diameter 6.9 FR / 2.3 mm. Internal reference.
PHI10	ComforTec PLUS - Single-use pH Catheter. Dual channel, 10 cm spacing, Infused, Diameter 6.9 FR / 2.3 mm. Internal reference.
PHI15	ComforTec PLUS - Single Use pH Catheter. Dual channel, 15 cm spacing, Infused, Diameter 6.9 FR / 2.3 mm. Internal reference.
PHI21	ComforTec PLUS - Single Use pH Catheter. Dual channel, 21 cm spacing, Infused, Diameter 6.9 FR / 2.3 mm. Internal reference.
PHI10-V	ComforTec PLUS - VariTEC, Single Use pH Catheter. Bifurcated, 10 cm spacing on distal branch and single channel on proximal branch, Infused on distal branch, Diameter 6.9 FR / 2.3 mm. Internal reference.
PHIT30	ComforTec PLUS - Single Use pH Catheter. Triple channel, 0, 15, 30 cm spacing, Infused, Diameter 6.9 FR / 2.3 mm. For use with pH recorder. Special order. Internal reference.

PART 4:   ESOPHAGEAL MANOMETRY SYSTEMS

Sandhill's InSIGHT™ Manometry system works "the way you think", setting the standard for simplicity, timeliness and adaptability in esophageal diagnostics. With InSIGHT, enjoy the state of the art esophageal manometry utilizing impedance/manometry) and HRiM (High Resolution Impedance Manometry). Exclusively from Sandhill, BioVIEW® is the most advanced GI diagnostic software in the industry and simplifies the complexities of analysis.

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High Resolution Impedance Manometry Systems

H06-2000H-S13   **InSIGHT HRiM² System, includes:**
- InSIGHT G3 Central Unit
- LCD Monitor (Medical grade touch screen, 19" flat screen, black)
- SensorPac HRZ
- BioVIEW® Analysis Software Suite
- HRiM² 32 pressure/16 impedance/12 FR/high resolution impedance manometry catheter
- Motility cart w/articulating arm
- Computer & printer
- Calibration kit, cables & accessories
- Denver Course Tuition for up to 4 people

H06-2000H-S19   **InSIGHT HRiM^SD System, includes:**
- InSIGHT G3 Central Unit
- LCD Monitor (Medical grade touch screen, 19" flat screen, black)
- SensorPac HRZ
- BioVIEW® Analysis Software Suite
- HRiM^SD 32 pressure/16 impedance/8 FR/high resolution impedance manometry catheter
- Motility cart w/articulating arm
- Computer & printer
- Calibration kit, cables & accessories
- Denver Course Tuition for up to 4 people

Impedance/Manometry (EFT) Systems

H06-2000H-S23   **InSIGHT Konigsberg EFT System, includes:**
- InSIGHT G3 Central Unit
- LCD Monitor (Medical grade touch screen, 19" flat screen, black)
- SensorPac HRZ
- BioVIEW® Analysis Software Suite
- Konigsberg 5 pressure/4 impedance/12 FR/impedance manometry catheter
- Motility cart w/articulating arm
- Computer & printer
- Calibration kit, cables & accessories
- Denver Course Tuition for up to 4 people

H06-2000H-S24   **InSIGHT Unisensor EFT System, includes:**
- InSIGHT G3 Central Unit
- LCD Monitor (Medical grade touch screen, 19" flat screen, black)
- SensorPac HRZ
- BioVIEW® Analysis Software Suite
- Unisensor 5 pressure/4 impedance/impedance manometry catheter
- Motility cart w/articulating arm
- Computer & printer
- Calibration kit, cables & accessories
- Denver Course Tuition for up to 4 people

Air-Charged Manometry (CI) System

H06-2000H-S25   **InSIGHT Air-Charged Manometry System, includes:**
- InSIGHT G3 Central Unit
- LCD Monitor (Medical grade touch screen, 19" flat screen, black)
- SensorPac HRZ
- BioVIEW® Analysis Software Suite
- Clinical Innovations 4 pressure/air-charged/8 FR/ disposable manometry catheter
- Motility cart w/articulating arm
- Computer & printer
- Calibration kit, cables & accessories
- Denver Course Tuition for up to 4 people

HRiM^SD

32 pressure
16 impedance
8 FR
High resolution
impedance
manometry
catheter

HRiM²

32 pressure
16 impedance
12 FR
High resolution
impedance
manometry
catheter

New waterproof connector
is protected against submersion in
approved cleaning and disinfectant
solutions* for up to 30 minutes.

*Tested to meet IPX5/IPX7waterproof specifications

See the UniTip High Resolution User Manual
for approved cleaning and disinfectant solutions
and procedures.

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InSIGHT G3 Base Systems & Esophageal Modules

Sandhill offers a wide variety of esophageal manometry options. Please contact your Sandhill representative for more information.

UPGRADES (Compatible with InSIGHT G3 w/EFT or HRiM only)
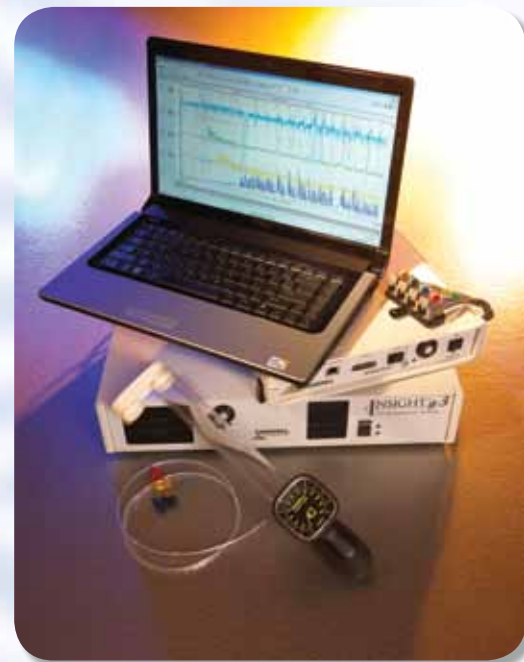
S98-1100-C17   **Upgrade includes:**

· HRiM² 32 pressure/16 impedance/12 FR/
· High resolution impedance manometry catheter
· Calibration kit, cables & accessories
· Acquisition software
· SensorPac HRZ

S98-1100-C23   **Upgrade includes:**

· HRiM^SD 32 pressure/16 impedance/8 FR/
· High resolution impedance manometry catheter
· Calibration kit, cables & accessories
· Acquisition software
· SensorPac HRZ

SensorPac HRZ

LCD Touch Screen Monitor

InSIGHT G3

Computer

Printer

See page 23 for computer and printer specifications.

Detailed Descriptions – Esophageal Manometry

|	
S98-1100	Esophageal Manometry (ESO) software module add-on. InSIGHT System and BioVIEW analysis software required.
S98-1710	Esophageal Function Testing (EFT) software module add-on. InSIGHT System and BioVIEW analysis software required.
S97-1010	Respiration monitoring belt for use with SensorPAC. Includes microphone.
P33-I5207CC166	EFT KI ESO Catheter, Solid state, Esophageal Manometry catheter. Use with InSIGHT system. 14 FR
C30-I6715CC-SI	KI Universal Cable, for connection of Konigsberg motility catheter to SensorPAC. Used with InSIGHT motility system.
UNI-ESO-W5125	UNI HRiM Catheter, 36 Channel High Resolution Impedance Manometry Catheter with 32 pressure channels and 4 Impedance channels. 12 FR. Special order.
UNI-ESO-WG1A1	UNI HRiM^2 High Resolution Impedance Manometry Catheter with 32 pressure / 16 impedance channels. 12 FR
UNI-ESO-WG1A2	UNI HRiM^{SD} High Resolution Impedance Manometry Catheter with 32 pressure / 16 impedance channels. 8 FR. Special order.
UNI-ESO-55008	UNI EFT Catheter, solid state, esophageal manometry catheter. Small diameter Multi-use. Use with InSIGHT system.
UNI-ESO-43010	UNI EFT 4 CH Catheter, solid state, small diameter EFT catheter, 4 pressure & 3 impedance channels. 8 FR. Perfusion lumen. Multi-use. Use with InSIGHT system. Special order.
UNI-7040	UNI Adapter Cable, for connection of Unisensor catheters to SensorPAC. Used with InSIGHT motility system. Special order.
UNI-ESO-30004	UNI ESO 3 CH Catheter, solid state, small diameter Esophageal Catheter, 1 circumferential & 2 directional pressure sensors. 6 FR. Multi-use. Use with InSIGHT system. Special order.
UNI-7020	Cable for UNI-ANO-4002 and UNI-ESO-3004 Catheters. Use with InSIGHT system. Special order.
EFTV-12V	Viscous Solution, high viscosity solution for viscous swallows done during EFT testing. Carton of 12 ea / 80 mL containers, variety pack.
S90-5300-18C	Pressure Calibration Kit, HRiM, 18" tube with gauge and bulb
S90-5120-H	Kit, cal tube washer ; washer fits any Sandhill calibration tube: o-ring is compatible with S90-5300-18C calibration tube only.
Cart 4A1	Motility Cart: Custom cart for use with InSIGHT Motility Systems. Features articulating arm, locking drawer and isolation transformer.

Clinical Innovations Esophageal Catheters and Accessories

GIM-6000E-K02	CI ESO Start-up Kit, for InSIGHT G3. Includes 5 CI esophageal catheters (6000E), calibration kit, and one esophageal stylet. For esophageal manometry studies only. Includes Standard Protocol.
GIM-6000E-K01	CI ESO Start-up Kit, for InSIGHT G2. Includes 5 CI esophageal catheters (6000E), calibration kit, and one esophageal stylet. For esophageal manometry studies only. Includes Standard Protocol.
GIM-6000E	Clinical Innovation 4 Channel disposable air catheter. Set of 5.
GIM-6020	Clinical Innovations adaptor cable for InSIGHT G2 systems.
GIS-7010	Clinical Innovations adaptor cable for InSIGHT G3 systems.
GIM-6010	Clinical Innovations adaptor cable for Medtronic systems (Specify model)
GIM-6201	Clinical Innovations Esophageal Stylet
GIM-6110	Clinical Innovations Calibrator Stopper
GIM-6100	Clinical Innovations Calibration Kit

GIM-6000E

GIM-6000D
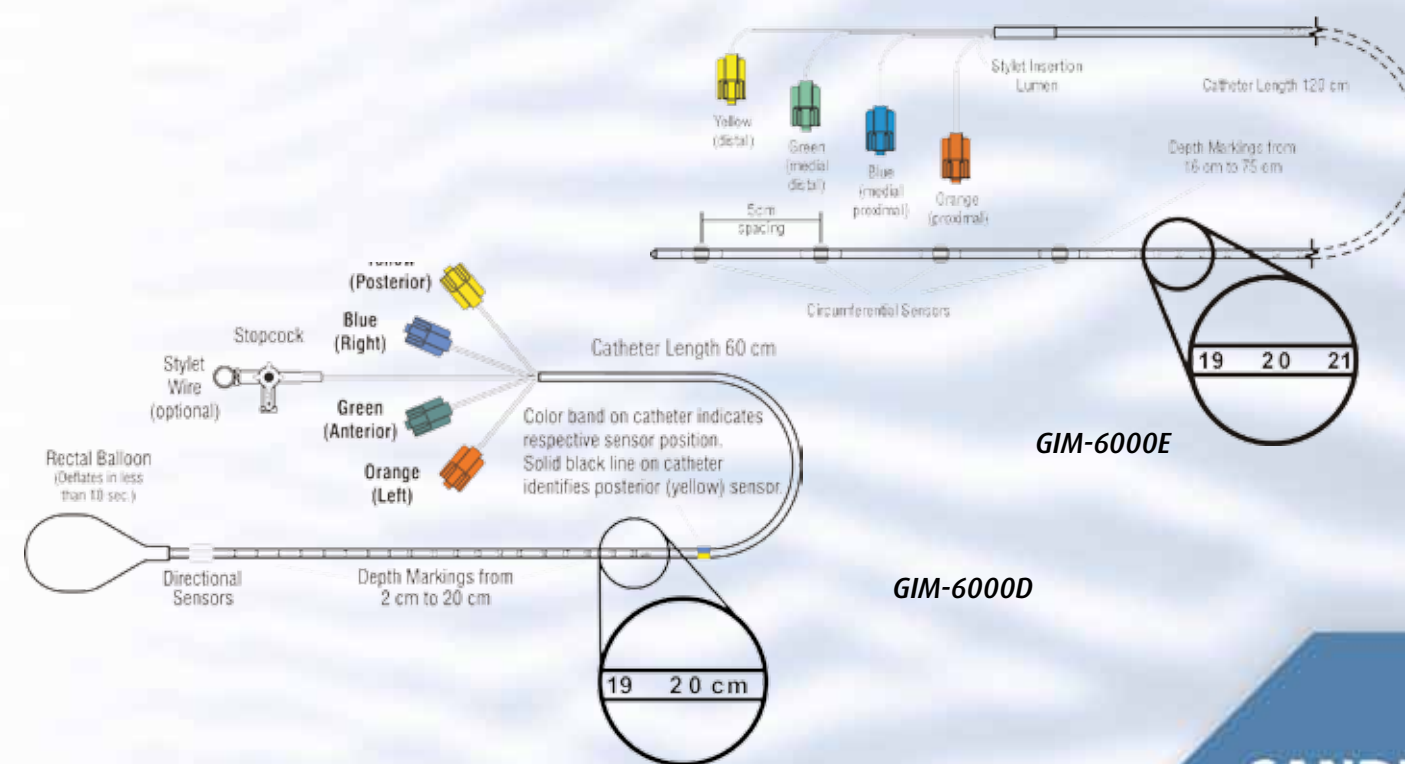
The InSIGHT Anorectal manometry system and its modules allow a comprehensive evaluation of the anal canal, rectum and pelvic muscles as well as therapeutic options with pelvic muscle retraining (biofeedback). The system utilizes BioVIEW® Analysis Software – a menu driven protocol that allows easy, accurate and comprehensive data acquisition.
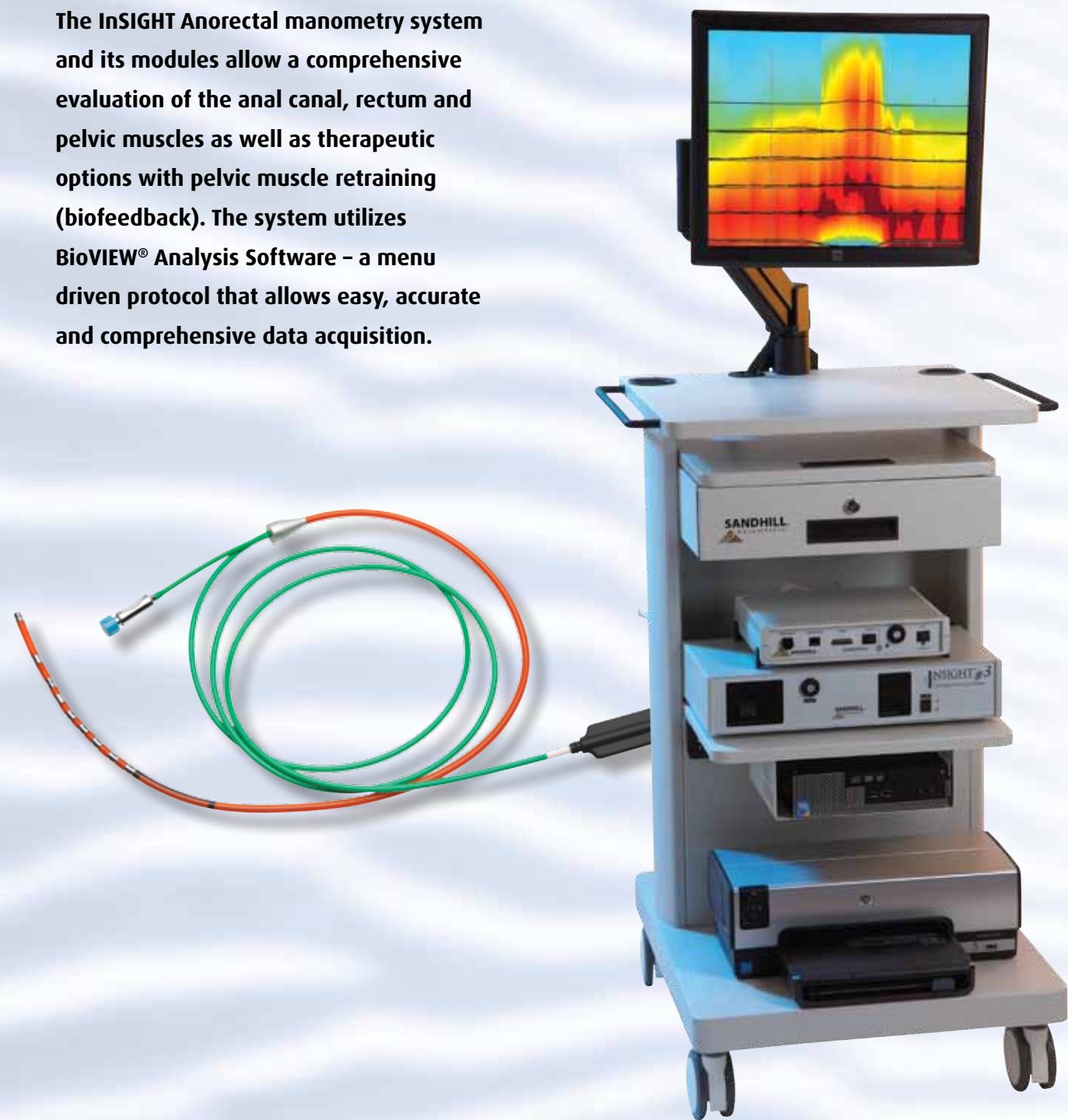
InSIGHT G3 Base Systems & Anorectal Modules

InSIGHT G3 BASE SYSTEM

H06-2000H-S10 System includes:

· InSIGHT G3 Central Unit
· LCD Monitor (Medical grade touch screen, 19" flat screen, black)
· SensorPac HRZ
· BioVIEW® Analysis Software Suite
· Cables & accessories
· Computer, printer, manometry cart and isolation transformer
· Module(s) to be purchased separately

MODULES

S98-1200-C28 Module includes:

· HRaM 23 pressure 12 FR High resolution anorectal manometry catheter
· Calibration kit, cables & accessories
· Acquisition software

S98-1200-4A-CI Module includes:

· CI anorectal disposable 4 pressure manometry catheter (box of 5)
· CI calibration kit, cables and accessories
· Acquisition software
· StimSense pressure sensor

S98-1200-4A1-KI Module includes:

· KI anorectal 4 pressure manometry catheter
· Calibration kit, cables & accessories
· Acquisition software
· StimSense pressure sensor
· KI Universal cable

S98-1400-C05 Requires purchase of an anorectal module

· Anorectal biofeedback acquisition software
· SensorPac, 2 pressure/2 EMG
· EMG cable Perry anal sensor cable

See page 23 for computer and printer specifications.

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Detailed Descriptions – Anorectal Manometry

S98-1200	Anorectal Manometry software module add-on. InSIGHT System and BioVIEW Analysis software required.
S98-1400	Pelvic Rehabitation Software. InSIGHT System and BioVIEW Analysis software required.
UNI-ANO-M0138	Unisensor High Resolution Anorectal Manometry Probe (HRaM), 22 Channel, 12 FR
P43-F4401CC161	KI Anorectal solid state probe with 4 directional pressure sensors clocked radially, 7.9 mm diameter, 150 cm working length. CC connector for SensorPAC.
C30-I6715CC-SI	KI Universal cable for connection of Konigsberg motility probe to SensorPAC. Used with InSIGHT motility system.
P43-F4401C05	KI Anorectal solid state probe with 4 directional pressure sensors clocked radially, 7.9 mm diameter, 150 cm working length. For use with previous generation manometry system. Special Order.
UNI-ANO-40002	Unisensor Anorectal small diameter, solid state probe with 4 unidirectional radial sensors at the same level. All Sensors clocked 90 degrees. Central lumen for balloon inflation. 10 FR. Special Order.
UNI-7020	Cable for UNI-ANO-40002 Anorectal Probe. 4 cables required for probe connection. Special Order.
A97-1000	StimSense Pressure Sensor, to measure rectal balloon pressure during anorectal compliance testing
A86-1070	KI Ano Stim Balloon (Adult), for anorectal compliance testing. Used with Konigsberg solid state anorectal probes. Single-use. (5 ea/package)
A86-5070	KI Ano Stim Balloon (Pediatric), for anorectal compliance testing. Used with Konigsberg solid state anorectal probes. Single-use. (5 ea/package)
S98-3900AF	SensorPac 2 pressure and 2 EMG channel SensorPAC. For use with Biofeedback InSIGHT system
S94-7800	EMG cable for InSIGHT systems
S94-7650	Insight cable adaptor for SRS 4510. For use with InSIGHT system
SRS-4510	Perry Anal sensor
H06-7300	Interface Cable, Interface plug-in between (RJ45) to G3 SensorPAC.
S99-5119-6	Pressure Calibration Kit Long, With small bore for esophageal manometry probes, 12 inch tube with aneroid hand gauge and bulb
Cart 4A1	Motility Cart: Custom cart for use with InSIGHT Motility Systems. Features articulating arm, locking drawer and isolation transformer

Clinical Innovations Anorectal Catheters and Accessories

GIM-6000D-K01	CI Ano Directional Start-up Kit - Includes 5 CI directional anorectal manometry catheters (6000D), calibration kit, and one anorectal stylet. For InSIGHT G2.
GIM-6000D-K02	CI Ano Directional Start-up Kit - Includes 5 CI directional anorectal manometry catheters (6000D), calibration kit, and one anorectal stylet. For anorectal manometry studies only. Includes Standard Protocol. For InSIGHT G3.
GIM-6000A-K02	CI Ano Circumferential Start-up Kit - Includes 5 CI circumferential anorectal manometry catheters (GIM-6000A), calibration kit and one anorectal stylet. For anorectal manometry studies only. Includes Standard Protocol. For InSIGHT G3.
GIM-6000A*	Clinical Innovations 4 CH circumferential disposable air catheter. Set of 5.
GIM-6000D	Clinical Innovations 4 CH directional disposable air catheter. Set of 5.
GIM-6020	Clinical Innovations Adaptor cable for InSIGHT G2 systems
GIS-7010	Clinical Innovations Adaptor cable for InSIGHT G3 systems
GIM-6010	Clinical Innovations Adaptor cable for Medtronic systems (Specify model)
GIM-6200	Clinical Innovations Anorectal Stylet
GIM-6110	Clinical Innovations Calibrator Stopper
GIM-6100	Clinical Innovations Calibration Kit

*For RAIR, sensation and compliance studies.

GIM-6000D
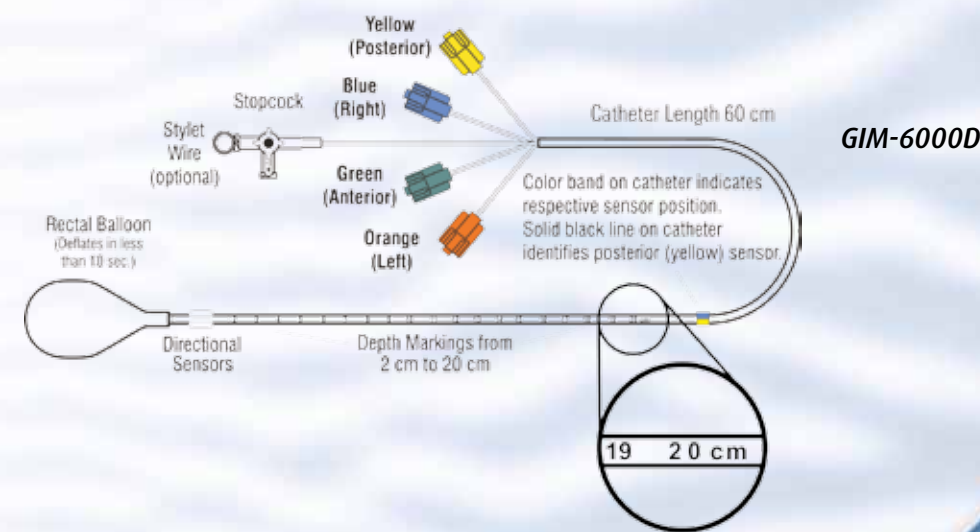
Biliary Manometry Systems

InSIGHT G3 BASE SYSTEM

H06-2000H-S10 System includes:

· InSIGHT G3 Central Unit
· LCD Monitor (Medical grade touch screen, 19" flat screen, black)
· SensorPac HRZ
· BioVIEW® Analysis Software Suite
· Cables & accessories
· Computer, printer, manometry cart* and isolation transformer
· Module(s) to be purchased separately

MODULES

S98-1300-C35 Module includes:

· Wilson Cook Catheter (Single Use)
· Catheter Extension Tubing
· Roadrunner Guide Wire (Single Use)
· MUI 4 Channel Water SOM Infusion Pump
· Acquisition Software

S98-1300-C10 Module includes:

· Unisensor Solid-state Catheter
· Sterile Guide Wire (1) (Single Use)
· Calibration Kit
· Acquisition Software

* Manometry cart does not accommodate a water perfusion pump

Computers and printers not purchased from Sandhill for use with InSIGHT, ZepHr or Sleuth systems must meet the following minimum requirements:

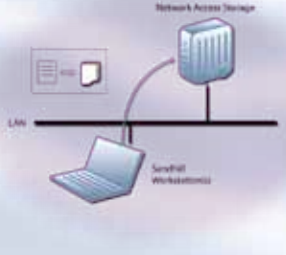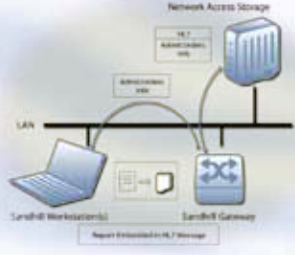|	
Boot Hard Drives	160GB SATA 3.0Gb/s and 16MB DataBurst Cache™
Processors	Intel® Core™ 2 Duo E840
Memory	2GB DDR3 Non-ECC SDRAM,1066MHz
Video Cards	Integrated Video
Keyboard	Dell USB Entry 101 Keyboard
Mouse	Dell USB 2-Button Entry Mouse with Scroll, Black
Removable Media Storage Device	8X DVD+/-RW SATA
I/O	Integrated 10/100/1000 Ethernet (Intel WG82567LM LOM)
Speakers	Internal Dell Business Audio Speaker
Operating System(s)	Dual OS Windows® XP Professional, SP3, Media, English to Vista Professional, Windows 7 Ultimate

NOTES:
Due to the non standardization of computer and printer hardware, Sandhill can only guarantee tested compatibility for hardware purchased from Sandhill.

Optional US (English) Computer & Printer

COMP 10	Dell Computer (see above) No monitor for use with InSIGHT
L89-5500	Printer
ISO-MED-3	Medical Grade Isolation Transformer

(Required for use with InSIGHT Systems. Included in Systems w/Cart.)

PART 8:   HOSPITAL INFORMATION SYSTEMS – INTERFACE OPTIONS

Option	Option 1: S98-1960-1AHIS interface package - software only	Option 2: S98-1960-2A HIS interface software without Gateway computer	Option 3: S98-1960-3A HIS interface software with Gateway computer
Features	• HIS interface software places reports in a shared folder • No additional hardware required • HIS personnel need to provide a shared folder and appropriate permissions • No HL7	• HIS interface software is used to receive and send HL7 messages • No computer included	• HIS interface software is used to receive and send HL7 messages • Includes computer
How It Works	An XML file provides the needed patient info and the location of a copy of the report for HIS to pick up and archive.	• The admit/Dr. orders info is sent from the HIS to a "Gateway" computer provided by the customer that is on 24/7. • The workstation selects a patientfrom the list that is on the Gateway. • After the RTF or PDF report is generated, it is sent to the HIS via the Gateway	• The admit/Dr. orders info is sent from the HIS to a "Gateway" computer provided by Sandhill that is on 24/7. • The workstation selects a patient from the list that is on the Gateway. • After the RTF or PDF report is generated, it is sent to the HIS via the Gateway

PART 9:   WARRANTY INFORMATION

EXTENT OF LIMITED WARRANTY

1. EQUIPMENT
SANDHILL SCIENTIFIC, INC. (SSI) warrants to the end-user customer, for a period of two (2) years from the date of purchase by the customer, that (i) hardware products manufactured by SSI, specifically the ZepHr®, InSIGHT™, SensorPAC and Sandhill manufactured cables will be free from defects in material and workmanship, and (ii) software products produced by SSI, specifically BioVIEW®, will perform substantially in accordance with the product's User's Guide.

2. HIGH RESOLUTION IMPEDANCE MANOMETRY (HRiM)
SANDHILL SCIENTIFIC, INC. (SSI) warrants to the end-user customer, for a period of one (1) year or three hundred (300) uses, whichever occurs first from the date of receipt by the customer, that the High Resolution Impedance Manometry (HRiM®) Catheter distributed by SSI will be free from defects in material and workmanship, and will perform substantially in accordance with the product's User's Guide.

3. KONIGSBERG OR UNISENSOR SOLID STATE PROBES
SANDHILL SCIENTIFIC, INC. (SSI) warrants to the end-user customer, for a period of one (1) year from the date of receipt by the customer, that the Unisensor or Konigsberg Instruments Solid-State Catheter distributed by SSI will be free from defects in material and workmanship, and will perform substantially in accordance with the product's User's Guide.

4. SSI does not warrant any non-SSI products, except as noted above, defined as products not manufactured by SSI including computers, monitors, printers, cables, certain probes and catheters, compact flash card readers, compact flash cards, IrDA adapters. SSI does not warrant computer operating systems or other third-party software. SSI does not warrant the operation of any product or software to be uninterrupted or error free.

5. SSI's limited warranty covers only those defects which arise as a result of normal use of the product, and do not apply to any of the following:
a. Improper use or inadequate maintenance or storage of product;
b. Software or interfacing not supplied by SSI for use with the product;
c. Unauthorized modification or misuse (including deletion or modification of supplied files or software);
d. Use of non-supported accessories, interfaces, or plug-in modules.
e. Sensors damaged due to mishandling
f. Torn sensor sleeves and/or cracked cases

6. If SSI receives, during the applicable warranty period, notice of a defect in an SSI product which is covered by SSI's warranty, SSI shall either repair or replace the product, at its option. The option to repair or replace may apply to specific software or component modules of the product, in SSI's discretion. Any replacement product or component module may be new or like-new, or reconditioned provided that it has functionality at least equal to that being replaced.

7. If SSI is unable to repair or replace, as applicable, a defective product which is covered by SSI's warranty, SSI shall, within a reasonable time after being notified of the defect, refund the purchase price for the defective product only, provided the customer returns the product to SSI.

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8. This Limited Warranty Statement gives the customer specific legal rights. The customer may have other rights which vary from state to state in the United States, from province to province in Canada, and from country to country elsewhere in the world.

LIMITATIONS OF WARRANTY
1. Neither SSI nor any of its third party suppliers makes any other warranty of any kind, whether express or implied, with respect to its products. SSI and its third party suppliers specifically disclaim the implied warranties of merchantability and fitness for a particular purpose.

2. To the extent that this Limited Warranty Statement is inconsistent with the law of the locality where the customer uses the SSI product, this Limited Warranty Statement shall be deemed modified to be consistent with such local law. Under such local law, certain limitations of this Limited Warranty Statement may not apply to the customer. For example, some states in the United States, as well as some governments outside the United States(including provinces of Canada) may:
a. Preclude the disclaimers and limitations in this Limited Warranty Statement from limiting the statutory rights of a consumer (e.g. Australia and the United Kingdom);
b. Otherwise restrict the ability of a manufacturer to make such disclaimers or impose such limitations; or
c. Grant the customer additional warranty rights, specify the duration of implied warranties which the manufacturer cannot disclaim, or not allow limitations on how long an implied warranty lasts.

3. To the extent allowed by local law, the remedies provided in this Limited Warranty Statement are the customer's sole and exclusive remedies.

LIMITATIONS OF LIABILITY
SSI does not accept liability beyond the remedies set forth herein, including but not limited to any liability for product not being available for use, lost profits, or loss of business. Except for the obligations specifically set forth in this limited warranty statement, in no event shall SSI be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any other legal theory and whether advised of the possibility of such damages. You agree that for any liability related to the purchase of product, SSI is not liable for any amount of damages above the amount invoiced for the applicable product. SSI is not liable to you for any warranties, support, or service made by or purchased from a third party and not directly from SSI.

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