



**SIERRA SCIENTIFIC  
INSTRUMENTS**

*"Innovations in diagnostic technology"*



**PRODUCTS & ACCESSORIES CATALOG**  
**SPRING 2010**



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## SIMPLE, ACCURATE, COMPLETE.

### **Sierra Scientific is the world leader in gastrointestinal motility and pH reflux diagnostics.**

Our industry-leading ManoScan 360™ High-Resolution Manometry system is changing the standard in GI diagnostics. The intuitive ManoView™ software and high-resolution catheters provide complete visualization of esophageal or anorectal motor function in a fraction of the time that a traditional manometric study requires. ManoScan 360 can be easily upgraded via modular technology enhancements including Impedance Manometry, 3D HRM, and Video Manometry. We have over 400 high-resolution systems installed in hospitals and facilities worldwide, used by physician experts in the fields of esophageal disease, otolaryngology, and colorectal disease. Leading clinicians and researchers in gastrodiagnostics have chosen Sierra because our technology and service are unmatched in the industry.

We also offer a full line of esophageal reflux diagnostic recorders and Catheters, including the AccuTrac™ pH/impedance recorder and the gold standard Digitrapper pH. This catalog includes accessories for the ManoScan™ and AccuTrac™ systems, as well as the full line of Alpine Biomed accessories and Catheters.

We welcome Alpine Biomed customers to the Sierra family and are committed to providing responsive, helpful, and expert support. We value all of our customers, and are pleased to be chosen as your partner. We look forward to working with you as we continue our quest for cutting-edge technology which will lead the industry and improve your patient diagnoses.



Some products are not available in all countries. Please inquire.

# MANOMETRY ACCESSORIES

## MANOSCAN™ 3D PROBES

Order #	Description
MSCHD-3894	<b>ManoScan 3D Anorectal Probe</b> 16 circumferential sensing regions with 256 total sensors, central balloon inflation lumen, 10 mm diameter solid-state high-definition anorectal Catheter



## MANOSCAN™ HIGH RESOLUTION CATHETERS

Order #	Description
MSC-1286	<b>High-Resolution Esophageal Catheter</b> 36 Channel circumferential solid-state probe with 4.2 mm diameter, 1.0 cm spacing between adjacent sensors
MSC-3886	<b>High-Resolution Esophageal Small Diameter Pediatric Catheter</b> 36 Channel circumferential solid-state probe with 2.75 mm diameter and 7.5 mm spacing between adjacent sensors
MSC-3887	<b>High-Resolution Esophageal Small Diameter Adult Catheter</b> 36 Channel circumferential solid-state probe with 2.75 mm diameter and 10 mm spacing between adjacent sensors
MSC-2192	<b>High-Resolution Anorectal Probe</b> Circumferential solid-state probe with 4.2 mm diam, 0.6 cm spacing between sensors. 10 sphincter sensors and 2 balloon sensors.
MSC-2195	<b>High-Resolution Anorectal Pediatric Probe</b> Circumferential solid-state probe with 4.2 mm diam, 0.6 cm spacing between sensors. 7 sphincter sensors and 1 balloon sensor.
MSCZ-3890	<b>High-Resolution Esophageal Catheter with Impedance</b> High-resolution solid-state esophageal Catheter with 36 Channels of circumferential pressure sensors and 18 impedance Channels



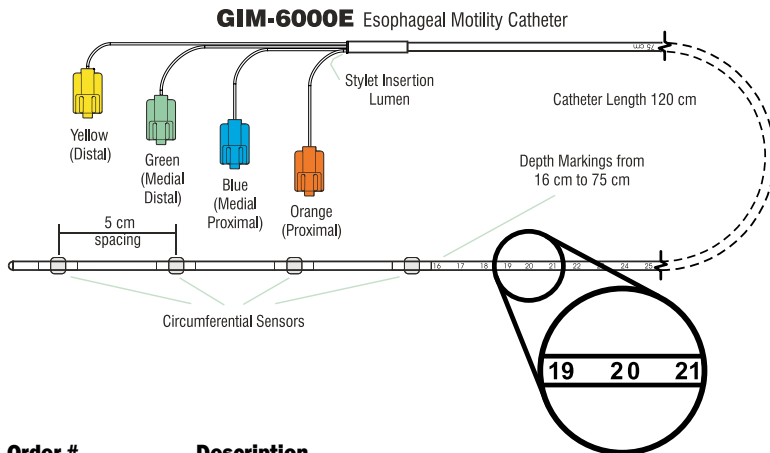
## MANOSCAN™ SUPPLIES



Order #	Description
MSS-2599	<b>Anorectal Balloons</b> 400cc AR Balloon (Pack of 10)
MSS-2637	<b>Anorectal Balloons</b> 600cc AR Balloon (Pack of 10)
MSS-3598	<b>Pediatric Anorectal Balloons</b> 150cc AR Balloon (Pack of 10)
MSS-2155	<b>ManoShield™</b> Box of 20 disposable Catheter sheaths
MSS-3599	<b>ManoShield AR</b> Box of 10 disposable AR Probe sheaths
MSS-3987	<b>SOM Catheter Guide-Wire</b> Ref-GW00-18-0308-Guidewire, Unisensor SOM Catheter
MSS-4360	<b>ManoShield SD</b> Box of 20. For use with 2.75 mm diam HRM Catheters
MSS-4581	<b>ManoShield 3D AR</b> Pack of 10 with balloon

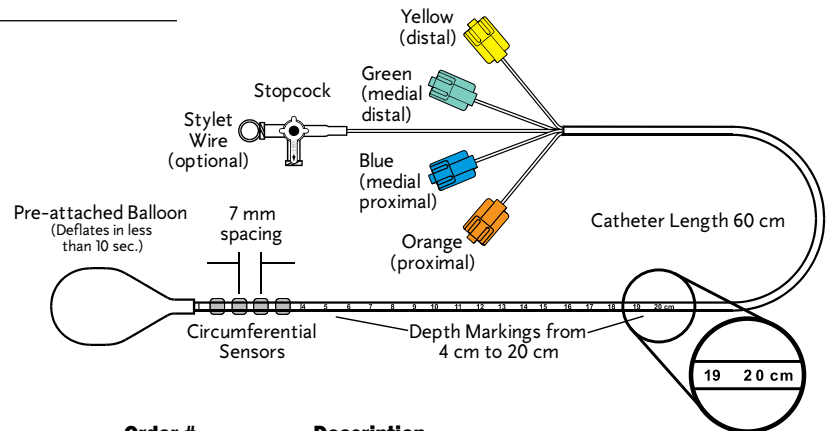


## SINGLE-USE LATITUDE<sup>®</sup> AIR-CHARGED CATHETERS AND ACCESSORIES



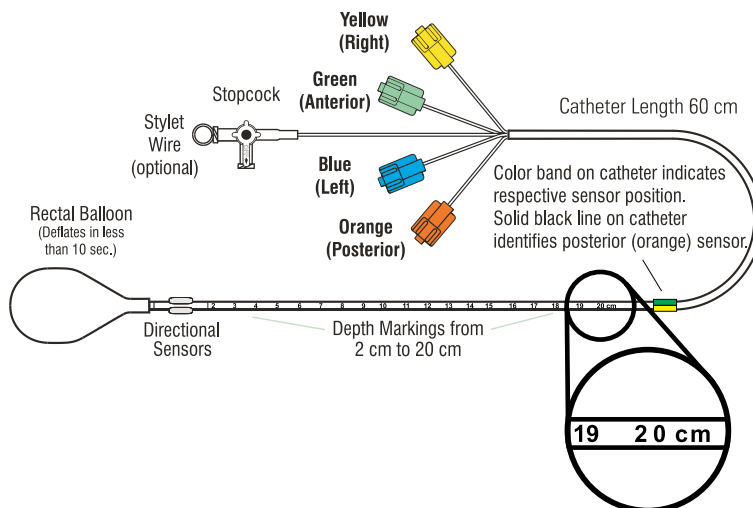
Order #	Description
GIM6000E	Air-Charged Esophageal Catheters 4 Channel Circumferential (Box of 5)

**GIM-6000A** Anorectal Manometry Catheter



Order #	Description
GIM6000A	Air-Charged Anorectal Catheters 4 Channel Circumferential (Box of 5)

**GIM-6000D** Directional Anorectal Catheter



Order #	Description
GIM6000D	Air-Charged Anorectal Catheters 4 Channel Directional (Box of 5)

SINGLE-USE LATITUDE® AIR-CHARGED CATHETERS AND ACCESSORIES



GIM6100

Order #	Description
GIM6030	Polygraf ID Adapter Cable for Esophageal and Anorectal Air-Charged Catheters
GIM6100	Manometric Calibration System for Esophageal and Anorectal Air-Charged Catheters
GIM6110	Calibrator Replacement Stopper for Esophageal and Anorectal Air-Charged Catheters
GIM6200	Reusable Stylet for Anorectal Air-Charged Catheter
GIM6201	Reusable Stylet for Esophageal Air-Charged Catheter
GIM6020	InSIGHT™ Adapter Cable
GIM6040	Omnilink Adapter Cable
GIM6060	MMS Adapter Cable

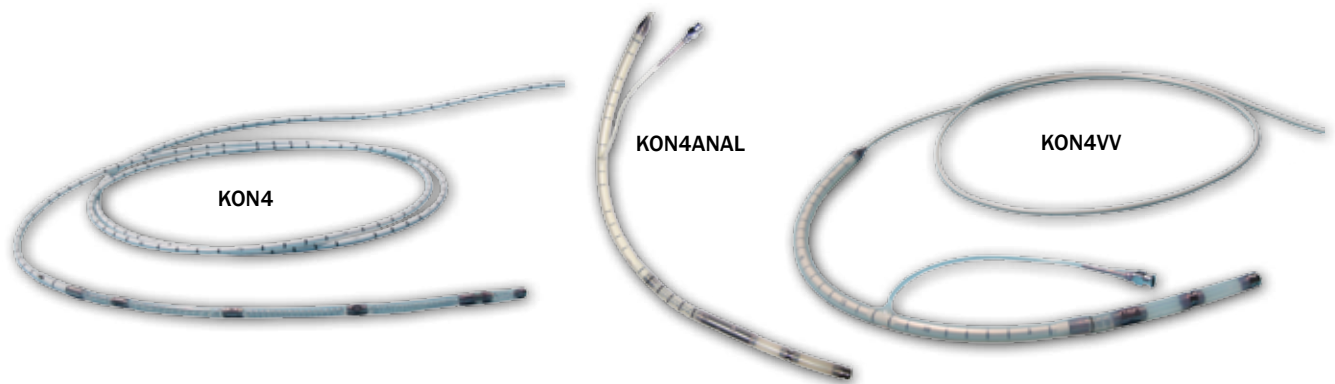
AIR-CHARGED STARTER PACK CONFIGURATIONS (USA)

Quantity	Order #	Description
<b>Esophageal Air-Charged Starter Pack (AIEM in US only)</b>		
2	GIM6000E	Esophageal Catheters, 4 circumferential sensors, 5 cm spacing, Box of 5
1	GIM6030	Polygraf ID adapter cable
1	GIM6100	Pressure calibrator
1	GIM6201	Reusable esophageal stylet
<b>Anorectal Air-Charged Starter Pack (AIRARM in US only)</b>		
2	GIM6000A	Anorectal Catheters, 4 circumferential sensors, 7 mm spacing, Box of 5
1	GIM6030	Polygraf ID adapter cable
1	GIM6100	Pressure calibrator
1	GIM6200	Reusable anorectal stylet
<b>Anorectal Directional Air-Charged Starter Pack (AIRARMD in US only)</b>		
2	GIM6000D	Anorectal Catheters, 4 radial, directional sensors, Box of 5
1	GIM6030	Polygraf ID adapter cable
1	GIM6100	Pressure calibrator
1	GIM6200	Reusable anorectal stylet
<b>Esophageal and Anorectal Air-Charged Starter Pack (AIEMARM in US only)</b>		
2	GIM6000E	Esophageal Catheters, 4 circumferential sensors, 5 cm spacing, Box of 5
2	GIM6000A	Anorectal Catheters, 4 circumferential sensors, 7 mm spacing, Box of 5
1	GIM6030	Polygraf ID adapter cable
1	GIM6100	Pressure calibrator
1	GIM6200	Reusable anorectal stylet
1	GIM6201	Reusable esophageal stylet
<b>Esophageal and Directional Anorectal Air-Charged Starter Pack (AIEMARMD in US only)</b>		
2	GIM6000E	Esophageal Catheters, 4 circumferential sensors, 1 cm spacing, Box of 5
2	GIM6000D	Anorectal Catheters, 4 radial, directional sensors, Box of 5
1	GIM6030	Polygraf ID adapter cable
1	GIM6100	Pressure calibrator
1	GIM6200	Reusable anorectal stylet
1	GIM6201	Reusable esophageal stylet

## KONIGSBERG SOLID-STATE ESOPHAGEAL MANOMETRY (EM) CATHETERS AND ACCESSORIES

Currently only available in the US.

Order #	Description
KON4	4 Channel Esophageal Manometry Catheter, 4.00 mm diam, circumferential sensor at 2 cm, directional sensors at 7, 12, 17 cm, oriented 120°.
KON4ANAL	4 Channel Anorectal Manometry Catheter, 7.90 mm diam, 4 directional pressure transducers spaced at 7, 8, 9, and 10 cm, oriented at 90°.
KON4VV	4 Channel Anorectal Manometry Catheter, 7.90 mm diam, 4 directional sensors at 7.5 cm, oriented 90°.
9012C1075	ARM & EM Solid-State Adapter Cable: 4 Channel (Polygraf ID)
9012D2171	Manometric Calibration System for Esophageal Solid-State Catheters: 4.0-4.65 mm Catheters
9012D2181	Manometric Calibration System for Anorectal Solid-State Catheters 7.9 mm Catheters
BL7	Replacement Adult Non-Latex Balloon, 600 ml vol (Box of 5)
BS6	Replacement Pediatric Non-Latex Balloon, 400 ml vol (Box of 5)
OF1001	Manometric Pressure Chamber Calibrator for Esophageal Solid State 4.0-4.65 mm diam Catheters



## MUI REUSABLE ESOPHAGEAL MANOMETRY (EM) AND ANORECTAL MANOMETRY WATER-PERFUSED CATHETERS

Currently only available in the US.

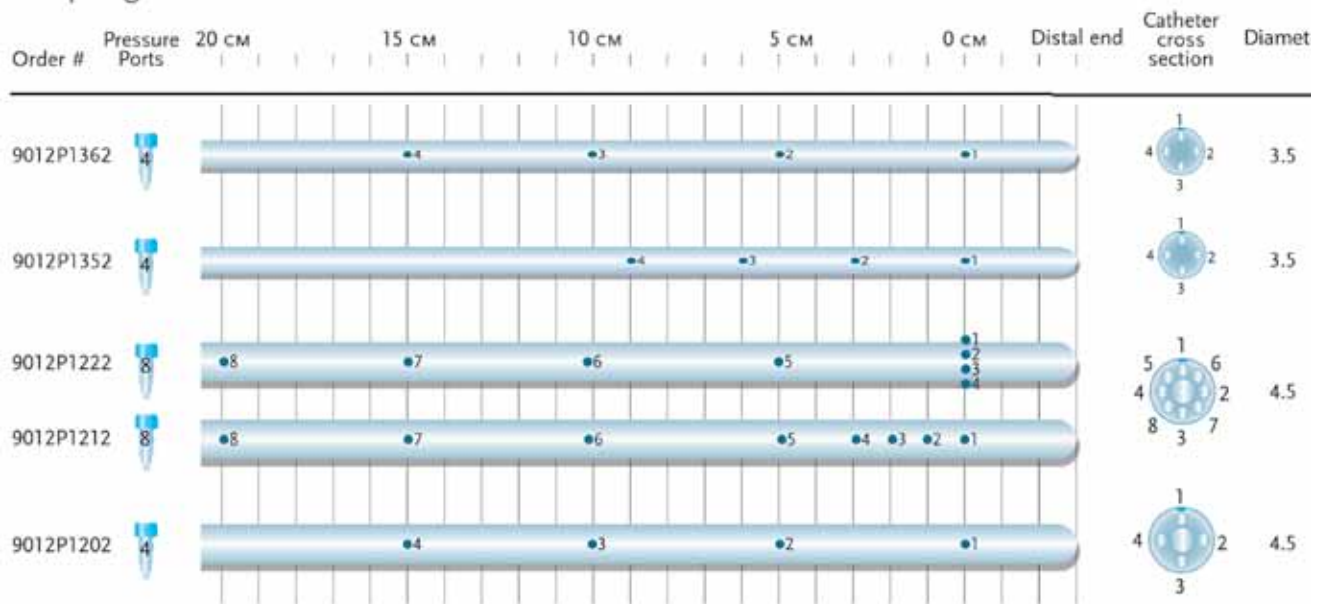
Order #	Description
E4555	Standard Esophageal, 4 Channel, closed tip, spacing 0-5-10-15 cm, 3.2 mm diam
PE355	Pediatric Esophageal, 3 Channel spacing 0-5-10 cm, 3.2 mm diam
PE4333	Pediatric Esophageal, 4 Channel spacing, 0-3-6-9 cm, 3.2 mm diam
R4B-3111	Anorectal, 4 Channel adult, spacing 0-1-2-3 cm with balloon at tip, 4.7 mm diam
R8B31111111	Anorectal, 8 Channel adult, spacing 0-1-2-3-4-5-6-7 cm, with balloon at tip, 4.7 mm diam
R8B30000000	Radial Anorectal, 8 Channel adult, with balloon at tip, 4.7 mm diam
BL7	Replacement Adult Non-Latex Balloon, 600 ml vol (Box of 5)
BS6	Replacement Pediatric Non-Latex Balloon, 400 ml vol (Box of 5)



## SINGLE-USE ESOPHAGEAL MANOMETRY (EM) WATER-PERFUSED CATHETERS

Order #	Description
9012P1362	Single Use 4 Channel EM Catheter: ports at 0, 5, 10, 15 cm from tip, 3.5 mm diam (Box of 10)
9012P1352	Single Use 4 Channel EM Catheter: ports at 0, 3, 6, 9 cm, 3 cm tip, 3.5 mm diam (Box of 10)
9012P1222	Single Use 8 Channel EM Catheter: ports at 0, 5, 10, 15, 20 cm, 5 cm tip, (4 radial ports at 0 cm) (Box of 10)
9012P1212	Single Use 8 Channel EM Catheter: ports at 0, 1, 2, 3, 5, 10, 15, 20 cm, 3 cm tip (Box of 10)
9012P1202	Single Use 4 Channel EM Catheter: ports at 0, 5, 10, 15 cm, 3 cm tip (Box of 10)

### Esophageal



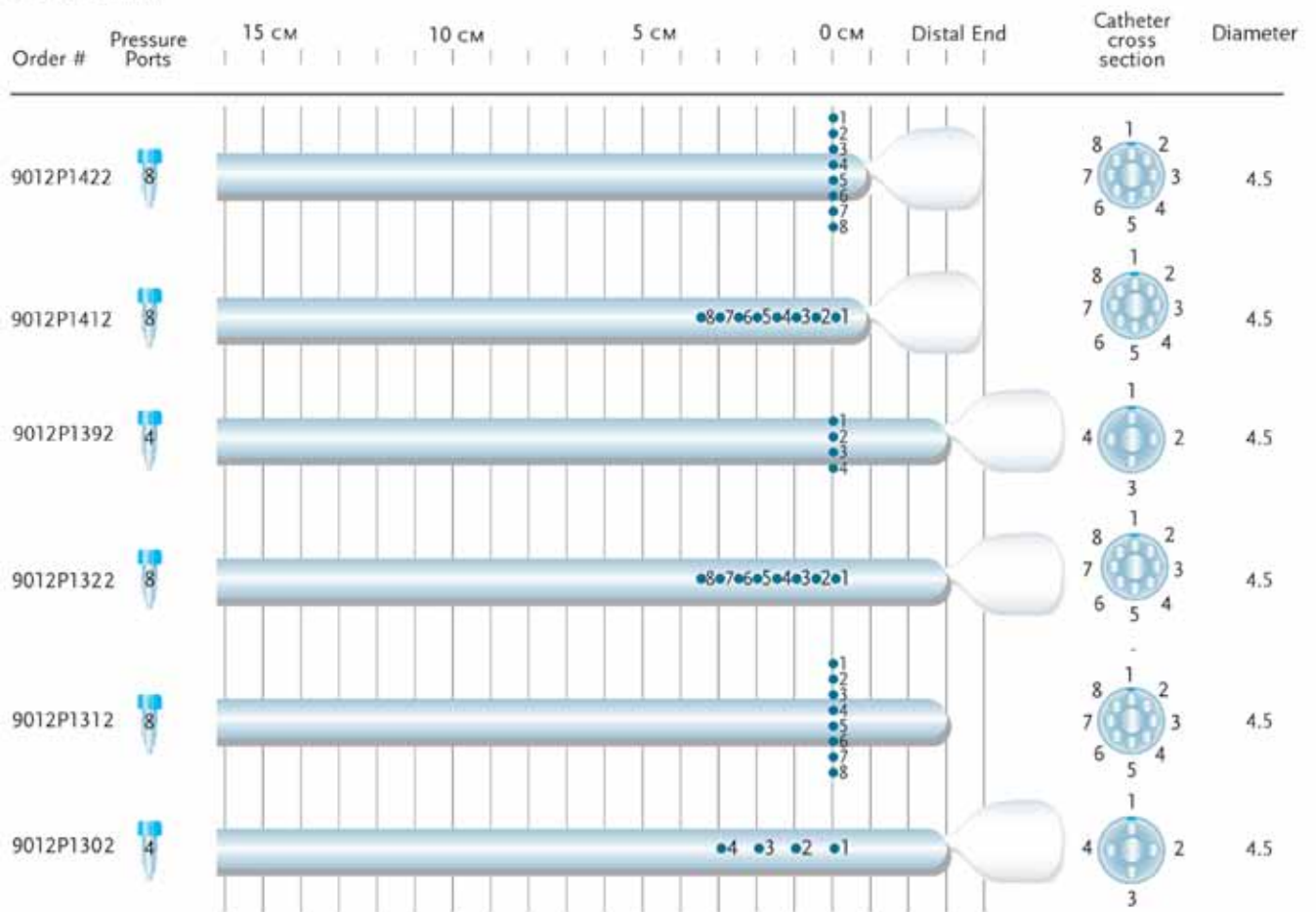
# MANOMETRY ACCESSORIES

## SINGLE-USE ANORECTAL MANOMETRY (ARM) WATER-PERFUSED CATHETERS

Order #	Description
9012P1422	Single Use 8 Channel ARM Catheter: 8 radial ports at 0 cm, 2 cm tip with silicone balloon (Box of 10)
9012P1412	Single Use 8 Channel ARM Catheter: Ports at 0, .5, 1, 1.5, 2, 2.5, 3, 3.5 cm, 2 cm tip with silicone balloon (Box of 10)
9012P1392	Single Use 4 Channel ARM Catheter: 4 radial ports at 0 cm, 5 cm tip with silicone balloon (Box of 10)
9012P1322	Single Use 8 Channel ARM Catheter: Ports at 0, .5, 1, 1.5, 2, 2.5, 3, 3.5 cm, 5 cm tip with silicone balloon (Box of 10)
9012P1312	Single Use 8 Channel Vector Volume Catheter: 8 radial ports at 0 cm, 5 cm tip (Box of 10)
9012P1302	Single Use 4 Channel ARM Catheter: Ports at 0, 1, 2, 3 cm, 5 cm tip with silicone balloon (Box of 10)



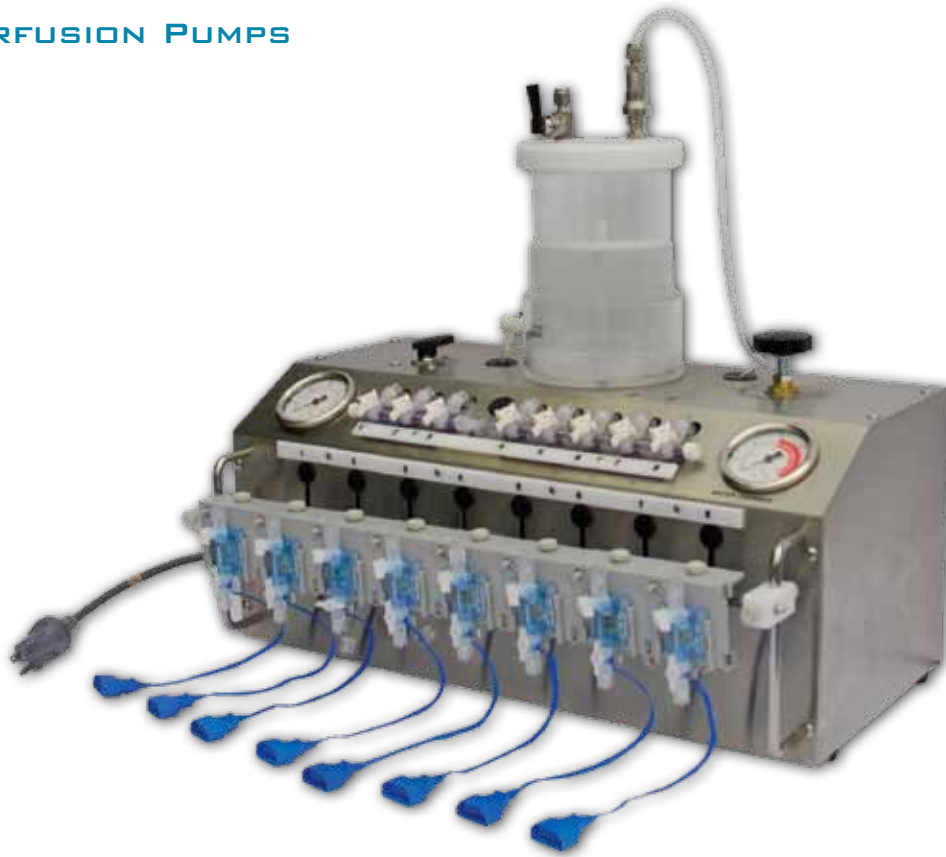
### Anorectal



Anorectal distending balloon tested up to 250 cc.

Please inquire regarding availability of other types of gastroenterology diagnostic Catheters.

WATER PERFUSION PUMPS



Quantity	Order #	Description
		<b>Mui 4 Channel Water Perfusion System for Polygraf ID with Calibration Stand (MuiS43 in US only)</b>
1	POS25800	8 Channel Mui Electric Pump with Calibration Stand
1	9012C1033	4 Channel PVB Transducer Cable
4	9012K1022	PVB Pressure Transducers, No Capillary
1	9021P6332	Extension Tubing, 150 cm (Box of 10)
1	9031B0602	Gastrodiagnostic Workstation Pump Shelf

Quantity	Order #	Description
		<b>Mui 8 Channel Water Perfusion System for Polygraf ID with Calibration Stand (MuiS83 in US only)</b>
1	POS25800	8 Channel Mui Electric Pump with Calibration Stand
1	9012C1053	8 Channel PVB Transducer Cable
8	9012K1022	PVB Pressure Transducers, No Capillary
1	9021P6332	Extension Tubing, 150 cm (Box of 10)
1	9031B0602	Gastrodiagnostic Workstation Pump Shelf

## SPHINCTER OF ODDI MANOMETRY (SOM)

Order #	Description
9012P2801	2 Channel Solid State Sphincter of Oddi Manometry (SOM) Catheter
AD7471200605	Sphincter of Oddi Manometry (SOM) Catheter Adapter Cable for Polygraf ID (QTY 2 required)
GW00180308	Sphincter of Oddi Manometry (SOM) Catheter Guide Qires (QTY 5 required)
ZMKAL01MP0148	Unisensor SOM Calibrator



Order #	Description
PIP53SS	<b>The Sphincter of Oddi Manometry Pump</b> The Mui Scientific 3-Channel Sphincter of Oddi Manometric (SOM) pump is part of the motility system used for sphincter of oddi manometric studies. It is used in conjunction with a computerized motility system and an Endoscopic Retrograde Cholangiopancreatography Procedure (ERCP) manometric Catheter. This state of the art manometric pump provides the same superior, accurate performance as the Mui Scientific Electrically Powered Compressed Air Manometric Pump model.
P4F203	<b>Air Compressor</b> This compressor can be used in conjunction with the Mui 3-Channel Sphincter of Oddi Manometry (SOM) pump.

# REFLUX ACCESSORIES AND SYSTEMS

## PH IMPEDANCE MONITORING SYSTEMS

Order #	Description
ATE-2804	<p><b>AccuTrac™ pH System</b> Includes 24 hour ambulatory multi-Channel pH system, software, digital recorder, cables, calibration kit which includes calibration stand, test tubes and buffer solutions 4 &amp; 7, protective carrying case with shoulder and belt straps, 3 sample ISFET pH Catheters and installation.</p>
ATE-2783	<p><b>AccuTrac pH Recorder</b> Additional 24 hour multi-Channel pH recorder and protective carrying case with shoulder and belt straps.</p>
ATE-3530	<p><b>AccuTrac pH-Z System</b> Includes 24 hour ambulatory multi-Channel impedance pH system, software, digital recorder, cables, calibration kit which includes calibration stand, test tubes and buffer solutions 4 &amp; 7, protective carrying case with shoulder and belt straps, 3 sample ISFET pH Catheters with impedance and installation.</p>
ATE-3531	<p><b>AccuTrac pH-Z Recorder</b> Additional 24 hour multi-Channel impedance pH recorder and protective carrying case with shoulder and belt straps.</p>
ATE-3539	<p><b>AccuTrac pH-Z System with Notebook Computer Package</b> Includes 24 hour ambulatory multi-Channel impedance pH system, software, digital recorder, cables, calibration kit which includes calibration stand, test tubes and buffer solutions 4 &amp; 7, protective carrying case with shoulder and belt straps, 3 sample ISFET pH Catheters with impedance, isolation transformer, notebook computer, printer, paper, USB cables and installation.</p> <p><b>AccuTrac pH-Z System with Desktop Computer Package</b> Includes 24 hour ambulatory multi-Channel impedance pH system, software, digital recorder, cables, calibration kit which includes calibration stand, test tubes and buffer solutions 4 &amp; 7, protective carrying case with shoulder and belt straps, 3 sample ISFET pH Catheters with impedance, isolation transformer, desktop computer, printer, paper, USB cables and installation.</p>
ATE-3601	<p><b>Impedance Upgrade Option</b> Upgrade from AccuTrac pH recorder to AccuTrac™ pH-Z recorder and software.. Requires trade-in of existing AccuTrac™ pH recorder.</p>



Order #	Description
9043G0204	<p><b>Digitrapper® pH 400</b> 4 Channel pH Recorder Belt/Strap Manual CD, Digitrapper pH 2 ea AA batteries Requires GastroTrac® pH Testing application license</p>
9043B0102	<p>Digitrapper® pH 400 Carrying Pouch</p>



## VERSAFLEX® DISPOSABLE pH CATHETERS

VersaFlex Catheters are available in two diameters: our standard 4.7 French and the “Larger Diameter” (LD) 6.4 French. They are made with Internal References and are available in one to four sensors. VersaFlex Catheters include a standard RJ-45 connector.

### Product Performance

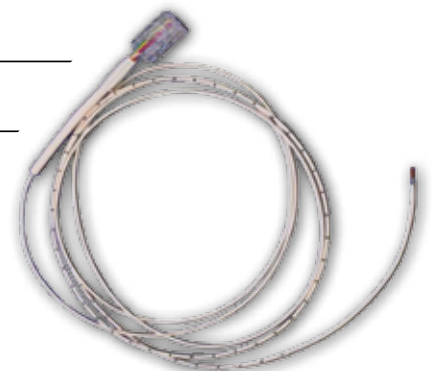
VersaFlex pH and pH/impedance Catheters are manufactured to meet the following performance characteristics:

- pH linearity in the application range of pH 2 to 8
- pH stability for over 24 hours
- consistent response between pH 1, 4 & 7
- mV range in pH 4 of Catheters (both Internal and external Reference) is widely accepted by most data loggers on the market
- minimal offset in mV when returning to pH 4 from pH 7

### QC Testing Process

All QC processes are based on the guidelines provided by FDA, GMP and ISO directives. Instead of random sampling tests performed by most industry manufacturers, 100% of VersaFlex pH Catheters produced are tested to ensure the highest quality of all Catheters shipped to our customers.

Order #	Description
957970	VNIS Disposable pH Catheter, Internal Reference, Single Channel, (4.7 FR), 10/pkg
957980	VIIS Disposable pH Catheter, Internal Reference, Single Channel, LES locator, (4.7 FR), 10/pkg
957971	VNID05 Disposable pH Catheter, Internal Reference, Dual Channel, 5 cm spacing, (4.7 FR), 10/pkg
957981	VIID05 Disposable pH Catheter, Internal Reference, Dual Channel, LES locator, 5 cm spacing, (4.7 FR), 10/pkg
957976	VNID7.5 Disposable pH Catheter, Internal Reference, Dual Channel, 7.5 cm spacing, (4.7 FR), 10/pkg
957972	VNID10 Disposable pH Catheter, Internal Reference, Dual Channel, 10 cm spacing, (4.7 FR), 10/pkg
957982	VIID10 Disposable pH Catheter, Internal Reference, Dual Channel, LES locator, 10 cm spacing, (4.7 FR), 10/pkg
957973	VNID15 Disposable pH Catheter, Internal Reference, Dual Channel, 15 cm spacing, (4.7 FR), 10/pkg
957983	VIID15 Disposable pH Catheter, Internal Reference, Dual Channel, LES locator, 15 cm spacing, (4.7 FR), 10/pkg
957924	VNID18+ENT Disposable pH Catheter, Internal Reference, Dual Channel, 18 cm spacing, ENT (4.7 FR), 10/pkg
957925	VNID21+ENT Disposable pH Catheter, Internal Reference, Dual Channel, 21 cm spacing, ENT (4.7 FR), 10/pkg
957900	VNIS+US Disposable Bifurcated pH Catheters, Internal Reference, Catheter 1 & 2 both Single Channel, (4.7 FR), 10/pkg
95790X	VNIDxx+US Disposable Bifurcated pH Catheters, Internal Reference, Catheter 1: Dual Channel xx cm spacing, Catheter 2: Single Channel, 10/pkg
957930	VNIS/LD Disposable pH Catheter, Internal Reference, Single Channel, “Larger Diameter” (6.4 FR), 10/pkg
957931	VNID05/LD Disposable pH Catheter, Internal Reference, Dual Channel, 5 cm spacing, “Larger Diameter” (6.4 FR), 10/pkg
957932	VNID10/LD Disposable pH Catheter, Internal Reference, Dual Channel, 10 cm spacing, “Larger Diameter” (6.4 FR), 10/pkg
957933	VNID15/LD Disposable pH Catheter, Internal Reference, Dual Channel, 15 cm spacing, “Larger Diameter” (6.4 FR), 10/pkg

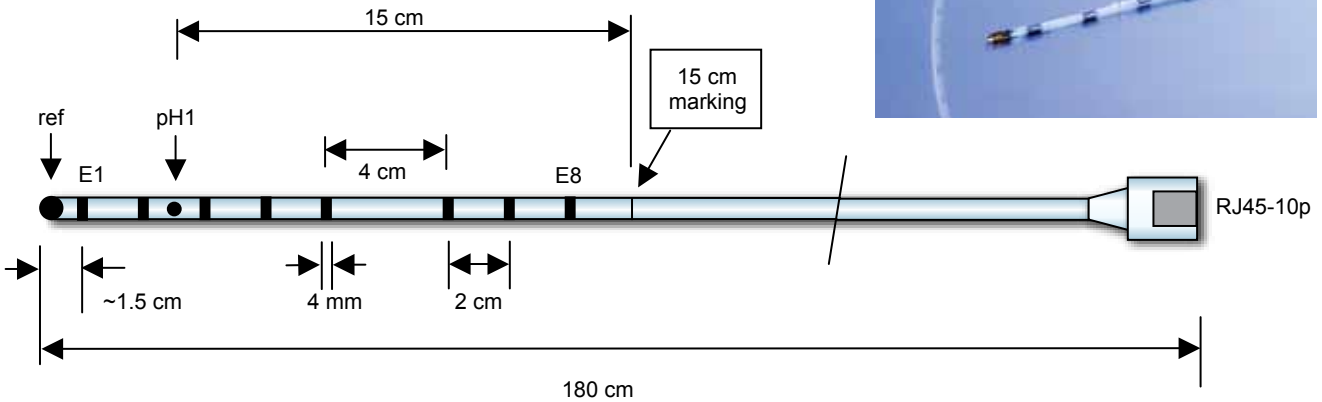


Many additional and special configurations available.

**VERSAFLEX® Z DISPOSABLE  
PH/IMPEDANCE CATHETERS**



Order #	Description
955904	ZNIS+8R Disposable pH + impedance Catheter, 6.0 FR, Internal Reference, non-infusion, Single Channel pH at 0 cm location, 8 impedance rings at -3, -1, 1, 3, 5, 9 11, & 13 cm relative to markings keyed connector for use with Ion® Z. 5/pkg.



**GEROFLEX® REUSABLE PH CATHETERS**

GeroFlex Catheters are reusable up to five times. Not available in the US.

Order #	Description
958950	GNES/M- pH Catheter, Reusable, Blue External Reference, Single sensor, 6.0 FR, 1 each
958951	GNED05/M- pH Catheter, Reusable, Blue External Reference, Dual Channel, 5 cm spacing, 6.0 FR, 1 each
958952	GNED10/M- pH Catheter, Reusable, Blue External Reference, Dual Channel, 10 cm spacing, 6.0 FR, 1 each
958953	GNED15/M- pH Catheter, Reusable, Blue External Reference, Dual Channel, 15 cm spacing, 6.0 FR, 1 each
958954	GNED21/M- pH Catheter, Reusable, Blue External Reference, Dual Channel, 21 cm spacing, 6.0 FR, 1 each

Order #	Description
9012D1012	Hellige Electrode Gel: Gel for external Reference electrodes on pH Catheters, 250 g Not available in the U.S.

## AccuFET™ ISFET CATHETERS

### Single Use pH and pH-Impedance Catheters

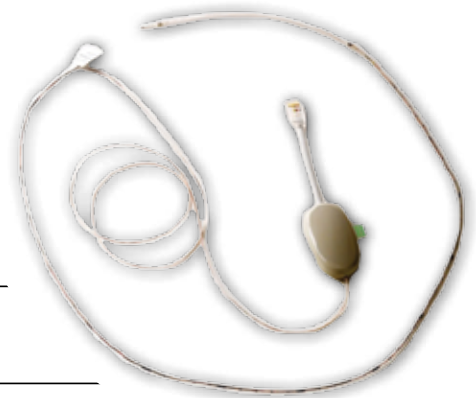
The AccuFET disposable, Internal Reference Catheters employ the Ion-Sensitive Field Effect Transistor technology for stable, accurate, and immediate pH measurements at all ranges. They are small diameter (6 French) and include the InsertAssist™ Guide Wire System, which provides intubation control and placement assistance.

### AccuFET Advantages

- Calibrates first time every time
- Superior diagnostic accuracy comparable to glass electrodes
- Soft durameter for maximum patient comfort
- Universal connector for use with most pH recorders
- Full Range of Catheter configurations available

The following Catheters include a built-in Converter for universal use with most pH recorders.

Order #	Description
ATS-3523	<b>AccuFET Single Channel ISFET pH Catheters w/ Converter</b> Single Channel disposable ISFET pH Catheter with Converter (Box of 10)
ATS-3518	<b>AccuFET 5cm Dual Channel ISFET pH Catheters w/ Converter</b> 5 cm Dual Channel disposable ISFET pH Catheter with Converter (Box of 10)
ATS-3519	<b>AccuFET 10cm Dual Channel ISFET pH Catheters w/ Converter</b> 10 cm Dual Channel disposable ISFET pH Catheter with Converter (Box of 10)
ATS-3520	<b>AccuFET 15cm Dual Channel ISFET pH Catheters w/ Converter</b> 15 cm Dual Channel disposable ISFET pH Catheter with Converter (Box of 10)
ATS-3521	<b>AccuFET 18cm Dual Channel ISFET pH Catheters w/ Converter</b> 18 cm Dual Channel disposable ISFET pH Catheter with Converter and black mark above proximal sensor (Box of 10)
ATS-3522	<b>AccuFET 21 cm Dual Channel ISFET pH Catheters w/ Converter</b> 21 cm Dual Channel disposable ISFET pH Catheter with Converter and black mark above proximal sensor (Box of 10)



## OTHER PH ACCESSORIES

Quantity	Order #	Description
<b>1</b>	<b>9012D0202</b>	<b>LES Identification Manometry Kit for Digitrapper pH 400 Includes:</b>
2	9012K1002	PVB Transducers (Built-in Capillary)
1	9012K1013	Single Transducer Holder
1	9043G1203	PVB Transducer Cable for Digitrapper pH 400 - 100 cm
1	9028P0152	Pressure Cuff
1	9012D5121	Micro Drip Set
1	9012D1131	PVB Combi Holder
1	9021P6332	Extension tubing, 150 cm (Box of 10)

Components may not be available separately.



Order #	Description
9012D1041	pHix Strip, Nasal Tube Sastener, adult (50 pcs)

Order #	Description
954001	Calibration Kit, Disposable Tubes, 10 qty pH 4 buffer, 10 qty pH 7 buffer, 10 qty water rinse
954006	Calibration Kit, Disposable Tubes, 10 qty pH 1.07 buffer, 10 qty pH 7.01 buffer, 10 qty water rinse

Order #	Description
954511	Calibration Buffer Solution pH 1.07, 1 x 500 ml Bottle
954512	Calibration Buffer Solution pH 7.01, 1 x 500 ml Bottle
954501	Calibration Buffer Solution pH 4, 1 x 500 ml Bottle
954502	Calibration Buffer Solution pH 7, 1 x 500 ml Bottle



# EGG, BIOFEEDBACK, AND OTHER ACCESSORIES

## EGG ACCESSORIES

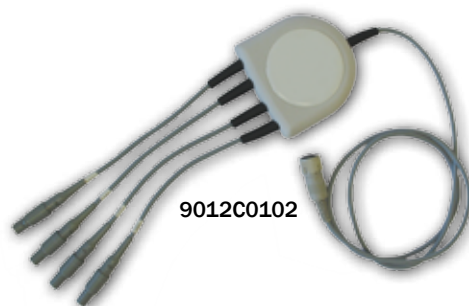
Order #	Description
9015B4114	Signa Conductive Gel (250 g)
9013G5012	Spectra 360 Electrode Gel, salt-free, 250 g
9015B4773	NuPrep Paste 4oz. (114 g) tubes, 3 ea



9015B4114



9015B4773



9012C0102

Order #	Description
9012C0102	EGG Main Cable, 150 cm
9012C0142	EGG 4 Channel Extension Cable, 40 cm
9012C0152	Motion Sensor Extension Cable, 155 cm
9012S0112	EGG/EMG Electrode Small (Box of 12), 15 mm x 20 mm
9012S0122	EGG/EMG Electrode Large (Box of 12), 20 mm x 25 mm
9012S0202	Motion Sensor (Silicone), 60 cm



9012C0142



9012C0152



9012S0202

## PUDENDAL NERVE TERMINAL MOTOR LATENCY

The St. Mark's Pudendal Electrode is a diagnostic tool for evaluation of patients with pelvic floor disorders. This combined stimulation and recording electrode, used in conjunction with an EMG instrument, allows for easy determination of pudendal nerve conduction by sphincter ani motor latency. The electrode has adhesive tabs for mounting onto an examining glove.

Order #	Length	Recording Area	Description
9013L4402	30 cm (12")	12mm <sup>2</sup>	NOT Pre-sterilized

Each Package contains 20 electrodes

Cable for St. Mark's Pudendal Electrode has two DIN plugs: one connects to the EMG pre-amp and the other to the stimulator box. Cable fits most EMG instruments.

Order #	Length	Recording Area	Description
9013L0322	2 m (79")	Flat Flex	2 x 5 pole DIN

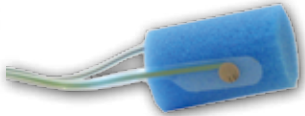


## BIOFEEDBACK ACCESSORIES

Order #	Description
9012E1002	Anal Canal EMG Sensor: Clean, Non-sterilizeable (each) Note: Currently only available in the US
9012C1482	Cable for Anal Canal EMG Sensor
9012C1162	Cable for Surface EMG Electrode
9013C0742	Cable for Surface Electrode (Ground)
9012S0112	EGG/EMG Electrode Small (Box of 12)
9012S0122	EMG Electrode Large (Box of 12)
9013L4812	Sponge Electrode
9012C1452	Cable for Sponge Electrode



9012E1002



9013L4812



9012C1162



9012C1482



9013C0742



9012S0112



9012S0122

## RESPIRATORY AND SWALLOW ACCESSORIES

Order #	Description
9012S1022	RespSponse Transducer for Swallow / Respiration (for Polygraf ID) and Abdominal Sensors, 200 cm (Pkg. of 3)
9012S1032	RespSponse Pads (for Swallow and Respiration) (Pkg. of 1)



9012S1022



9012S1032

Order #	Description	See Page(s)
9012C0102	EKG Main Cable	18
9012C0142	EKG 4 Channel Extension Cable	18
9012C0152	Motion Sensor Extension Cable	18
9012C1033	4 Channel PVB Transducer Cable	11
9012C1075	ARM & EM Solid-State Adapter Cable: 4 Channel (Polygraf ID)	8
9012C1162	Cable for Surface EMG Electrode	19
9012C1452	Cable for Sponge Electrode	19
9012C1482	Cable for Anal Canal EMG Sensor	19
9012D0202	LES Identification Manometry Kit for DigiTrapper pH 400	17
9012D1012	Hellige Electrode Gel	15
9012D1041	pHix Strip, Nasal Tube Sastener	17
9012D1131	PVB Combo Holder	17
9012D2171	Manometric Calibration System for Esophageal Solid-State Catheters	8
9012D2181	Manometric Calibration System for Anorectal Solid-State Catheters	8
9012D5121	Micro Drip Set	17
9012E1002	Anal Canal EMG Sensor	19
9012K1002	PVB Transducers (Built-in Capillary)	17
9012K1013	Single Transducer Holder	17
9012K1022	PVB Pressure Transducers, No Capillary	11
9012P1202	Single Use 4 Channel EM Catheter: ports at 0, 5, 10, 15 cm, 3 cm tip	9
9012P1212	Single Use 8 Channel EM Catheter: ports at 0, 1, 2, 3, 5, 10, 15, 20 cm, 3 cm tip	9
9012P1222	Single Use 8 Channel EM Catheter: ports at 0, 5, 10, 15, 20 cm, 5 cm tip, (4 radial ports at 0 cm)	9
9012P1302	Single Use 4 Channel ARM Catheter: Ports at 0, 1, 2, 3 cm, 5 cm tip with silicone balloon	10
9012P1312	Single Use 8 Channel Vector Volume Catheter: 8 radial ports at 0 cm, 5 cm tip	10
9012P1322	Single Use 8 Channel ARM Catheter: Ports at 0, .5, 1, 1.5, 2, 2.5, 3, 3.5 cm, 5 cm tip with silicone balloon	10
9012P1352	Single Use 4 Channel EM Catheter: ports at 0, 3, 6, 9 cm, 3 cm tip, 3.5 mm diam	9
9012P1362	Single Use 4 Channel EM Catheter: ports at 0, 5, 10, 15 cm from tip, 3.5 mm diam	9
9012P1392	Single Use 4 Channel ARM Catheter: 4 radial ports at 0 cm, 5 cm tip with silicone balloon	10
9012P1412	Single Use 8 Channel ARM Catheter: Ports at 0, .5, 1, 1.5, 2, 2.5, 3, 3.5 cm, 2 cm tip with silicone balloon	10
9012P1422	Single Use 8 Channel ARM Catheter: 8 radial ports at 0 cm, 2 cm tip with silicone balloon	10
9012P2801	2 Channel Solid State Sphincter of Oddi Manometry (SOM) Catheter	12
9012S0112	EKG/EMG Electrode Small	18, 19
9012S0122	EKG/EMG Electrode Large	18, 19
9012S0202	Motion Sensor (Silicone)	18
9012S1022	RespSponse Transducer for Swallow / Respiration (for Polygraf ID) and Abdominal Sensors	19
9012S1032	RespSponse Pads (for Swallow and Respiration)	19
9013C0742	Cable for Surface Electrode (Ground)	19
9013G5012	Spectra 360 Electrode Gel	18
9013L0322	Cable for St. Mark's Pudendal Electrode	18
9013L4402	St. Mark's Pudendal Electrode	18
9013L4812	Sponge Electrode	19
9015B4114	Signa Conductive Gel	18
9015B4773	NuPrep Paste	18
9021P6332	Extension Tubing	11, 17
9028P0152	Pressure Cuff	17
9031B0602	Gastrodiagnostic Workstation Pump Shelf	11
9043B0102	DigiTrapper® pH 400 Carrying Pouch	13

Order #	Description	See Page(s)
9043G0204	Digitrapper® pH 400	13
9043G1203	PVB Transducer Cable for Digitrapper pH 400 - 100 cm	17
954001	Calibration Kit, Disposable Tubes, 10 qty pH 4 buffer	17
954006	Calibration Kit, Disposable Tubes, 10 qty pH 1.07 buffer	17
954501	Calibration Buffer Solution pH 4, 1 x 500 ml Bottle	17
954502	Calibration Buffer Solution pH 7, 1 x 500 ml Bottle	17
954511	Calibration Buffer Solution pH 1.07, 1 x 500 ml Bottle	17
954512	Calibration Buffer Solution pH 7.01, 1 x 500 ml Bottle	17
955904	ZNIS+8R Disposable pH + impedance Catheter	15
957900	VNIS+US Disposable Bifurcated pH Catheters, Internal Reference, Catheter 1 & 2 both Single Channel	14
95790X	VNIDxx+US Disposable Bifurcated pH Catheters, Internal Reference, Catheter 1: Dual Channel xx cm spacing, Catheter 2: Single Channel	14
957924	VNID18+ENT Disposable pH Catheter, Internal Reference, Dual Channel, 18 cm spacing, ENT (4.7 FR)	14
957925	VNID21+ENT Disposable pH Catheter, Internal Reference, Dual Channel, 21 cm spacing, ENT (4.7 FR)	14
957930	VNIS/LD Disposable pH Catheter, Internal Reference, Single Channel, "Larger Diameter" (6.4 FR)	14
957931	VNID05/LD Disposable pH Catheter, Internal Reference, Dual Channel, 5 cm spacing, "Larger Diameter" (6.4 FR)	14
957932	VNID10/LD Disposable pH Catheter, Internal Reference, Dual Channel, 10 cm spacing, "Larger Diameter" (6.4 FR)	14
957933	VNID15/LD Disposable pH Catheter, Internal Reference, Dual Channel, 15 cm spacing, "Larger Diameter" (6.4 FR)	14
957970	VNIS Disposable pH Catheter, Internal Reference, Single Channel, (4.7 FR)	14
957971	VNID05 Disposable pH Catheter, Internal Reference, Dual Channel, 5 cm spacing, (4.7 FR)	14
957972	VNID10 Disposable pH Catheter, Internal Reference, Dual Channel, 10 cm spacing, (4.7 FR)	14
957973	VNID15 Disposable pH Catheter, Internal Reference, Dual Channel, 15 cm spacing, (4.7 FR)	14
957976	VNID7.5 Disposable pH Catheter, Internal Reference, Dual Channel, 7.5 cm spacing, (4.7 FR)	14
957980	VIIS Disposable pH Catheter, Internal Reference, Single Channel, LES locator, (4.7 FR)	14
957981	VIID05 Disposable pH Catheter, Internal Reference, Dual Channel, LES locator, 5 cm spacing, (4.7 FR)	14
957982	VIID10 Disposable pH Catheter, Internal Reference, Dual Channel, LES locator, 10 cm spacing, (4.7 FR)	14
957983	VIID15 Disposable pH Catheter, Internal Reference, Dual Channel, LES locator, 15 cm spacing, (4.7 FR)	14
958950	GNES/M- pH Catheter, Reusable, Blue External Reference, Single sensor, 6.0 FR	15
958951	GNED05/M- pH Catheter, Reusable, Blue External Reference, Dual Channel, 5 cm spacing, 6.0 FR	15
958952	GNED10/M- pH Catheter, Reusable, Blue External Reference, Dual Channel, 10 cm spacing, 6.0 FR	15
958953	GNED15/M- pH Catheter, Reusable, Blue External Reference, Dual Channel, 15 cm spacing, 6.0 FR	15
958954	GNED21/M- pH Catheter, Reusable, Blue External Reference, Dual Channel, 21 cm spacing, 6.0 FR	15
AD7471200605	Sphincter of Oddi Manometry (SOM) Catheter Adapter Cable for Polygraf ID	12
ATE-2804	AccuTrac™ pH System	13
ATE-2783	AccuTrac pH Recorder	13
ATE-3530	AccuTrac pH-Z System	13
ATE-3531	AccuTrac pH-Z Recorder	13
ATE-3539	AccuTrac pH-Z System with Notebook Computer Package	13
ATE-3601	Impedance Upgrade Option	13
ATS-3518	AccuFET 5cm Dual Channel ISFET pH Catheters w/ Converter	16
ATS-3519	AccuFET 10cm Dual Channel ISFET pH Catheters w/ Converter	16
ATS-3520	AccuFET 15cm Dual Channel ISFET pH Catheters w/ Converter	16
ATS-3521	AccuFET 18cm Dual Channel ISFET pH Catheters w/ Converter	16
ATS-3522	AccuFET 21 cm Dual Channel ISFET pH Catheters w/ Converter	16
ATS-3523	AccuFET Single Channel ISFET pH Catheters w/ Converter	16

Order #	Description	See Page(s)
BL7	Replacement Adult Non-Latex Balloon	8
BS6	Replacement Pediatric Non-Latex Balloon	8
E4555	Standard Esophageal, 4 Channel spacing	8
GIM6000A	Air-Charged Anorectal Catheters 4 Channel Circumferential	6
GIM6000D	Air-Charged Anorectal Catheters 4 Channel Directional	6
GIM6000E	Air-Charged Esophageal Catheters 4 Channel Circumferential	6
GIM6020	InSIGHT™ Adapter Cable	7
GIM6030	Polygraf ID Adapter Cable for Esophageal and Anorectal Air-Charged Catheters	7
GIM6040	Omnalink Adapter Cable	7
GIM6060	MMS Adapter Cable	7
GIM6100	Manometric Calibration System for Esophageal and Anorectal Air-Charged Catheters	7
GIM6110	Calibrator Replacement Stopper for Esophageal and Anorectal Air-Charged Catheters	7
GIM6200	Reusable Stylet for Anorectal Air-Charged Catheter	7
GIM6201	Reusable Stylet for Esophageal Air-Charged Catheter	7
GW00180308	Sphincter of Oddi Manometry (SOM) Catheter Guide Wires	12
KON4	4 Channel Esophageal Manometry Catheter	8
KON4ANAL	4 Channel Anorectal Manometry Catheter	8
KON4VV	4 Channel Anorectal Manometry Catheter	8
MSC-1286	High-Resolution Esophageal Catheter	5
MSC-2192	High-Resolution Anorectal Probe	5
MSC-2195	High-Resolution Anorectal Pediatric Probe	5
MSC-3886	High-Resolution Esophageal Small Diameter Pediatric Catheter	5
MSC-3887	High-Resolution Esophageal Small Diameter Adult Catheter	5
MSCHD-3894	ManoScan 3D Anorectal Probe	5
MSCZ-3890	High-Resolution Esophageal Catheter with Impedance	5
MSS-2155	ManoShield™	5
MSS-2599	Anorectal Balloons - 400cc AR Balloon	5
MSS-2637	Anorectal Balloons - 600cc AR Balloon	5
MSS-3598	Pediatric Anorectal Balloons	5
MSS-3599	ManoShield AR	5
MSS-3987	SOM Catheter Guide-Wire	5
MSS-4360	ManoShield SD	5
MSS-4581	ManoShield 3D AR	5
OF1001	Manometric Pressure Chamber Calibrator for Esophageal Solid State	8
P4F203	Air Compressor	12
PE355	Pediatric Esophageal, 3 Channel spacing	8
PE4333	Pediatric Esophageal, 4 Channel spacing	8
PIP53SS	The Sphincter of Oddi Manometry Pump	12
POS25800	8 Channel Mui electric pump with calibration stand	11
R4B-3111	Anorectal, 4 Channel adult	8
R8B30000000	Radial Anorectal, 8 Channel adult, with balloon at tip	8
R8B31111111	Anorectal, 8 Channel adult	8
ZMKAL01MP0148	Unisensor SOM Calibrator	12

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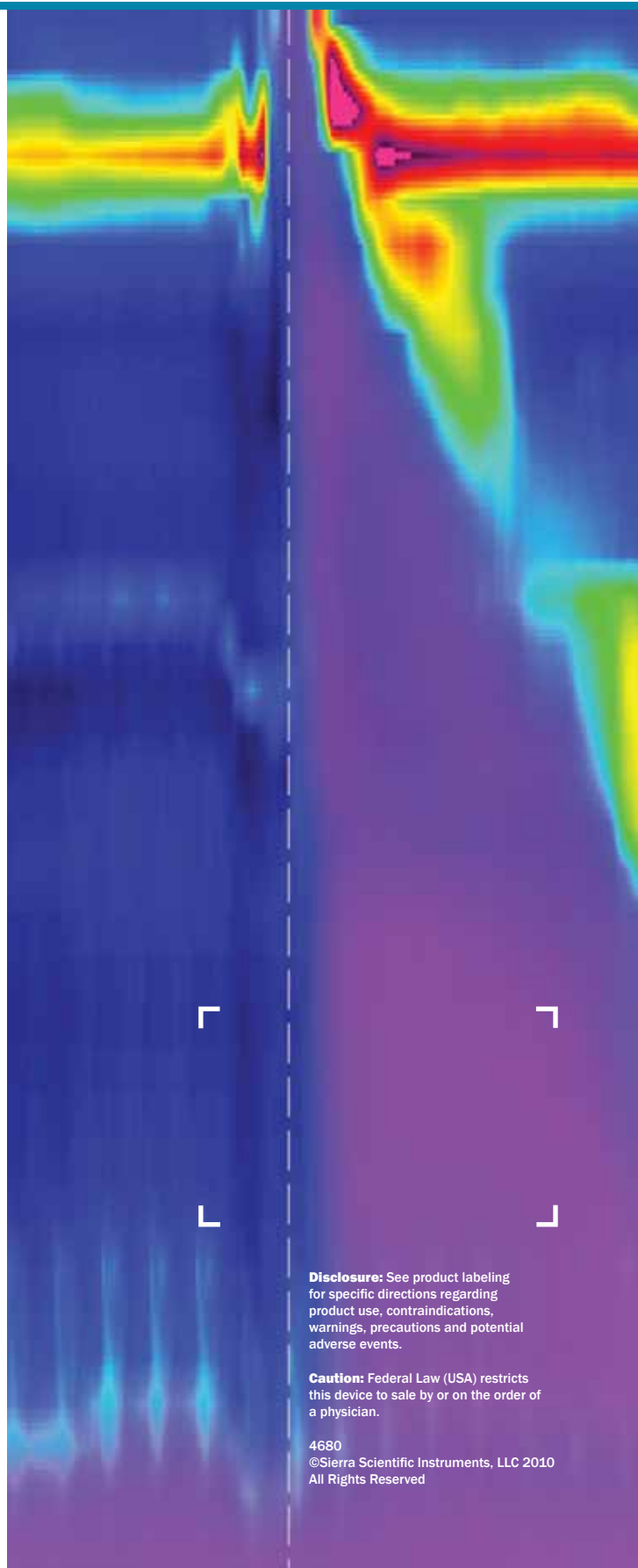
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