



Leading the world in G.I. Disposable Catheters, Supplies and Accessories

**COMFORTABLE...EASY...
SMOOTH...FLEXIBLE...**

Gastroenterology catheters from Sandhill Scientific are the perfect choice for every application. Our pH and Impedance/pH catheters are available in three sizes to meet a variety of esophageal lengths. Small in diameter, our catheters are made from specially-formulated polyurethane, which softens in response to body temperature to optimize ease of insertion and enhance patient comfort. All catheters are latex-free and are available in custom configurations. Not only that, our catheters are 100% guaranteed...we stand behind our products!



SANDHILL
SCIENTIFIC

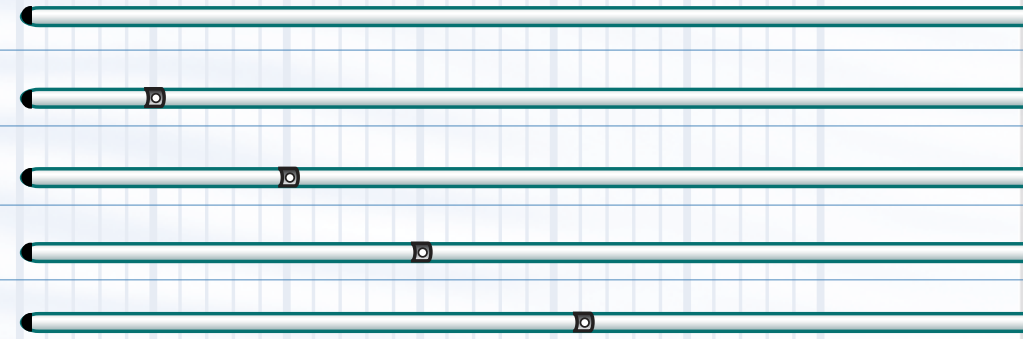
Comfortec® PLUS pH Catheters (Multi-Use)

External Reference

Non-Infused

-5 cm 0 cm 5 cm 10 cm 15 cm 20 cm 25 cm 30 cm

PHNSM	Single pH channel, diameter 6.9 FR / 2.3 mm.
PHN5M	Dual pH channel, 5 cm spacing, diameter 6.9 FR / 2.3 mm.
PHN10M	Dual pH channel, 10 cm spacing, diameter 6.9 FR / 2.3 mm.
PHN15M	Dual pH channel, 15 cm spacing, diameter 6.9 FR / 2.3 mm.
PHN21M	Dual pH channel, 21 cm spacing, diameter 6.9 FR / 2.3 mm.



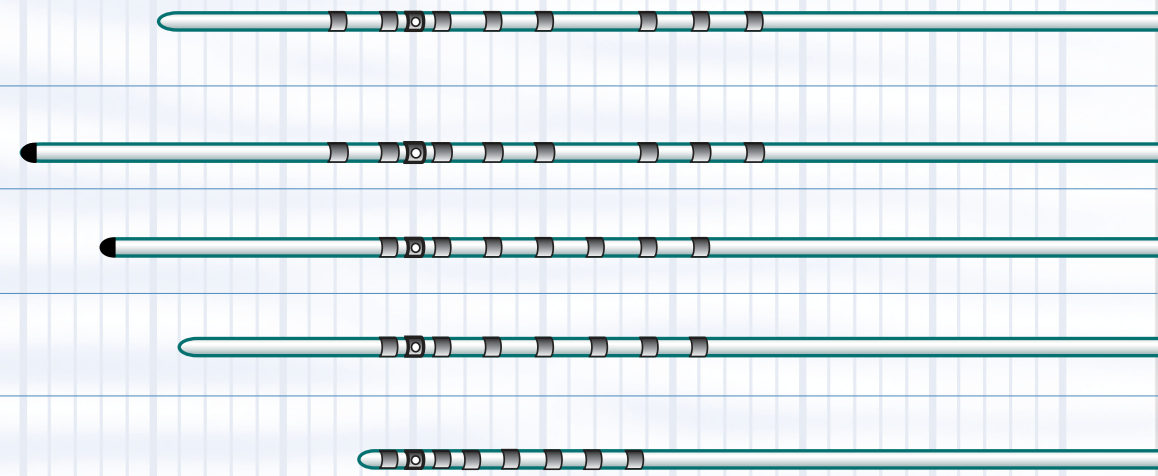
ComforTec® Z/pH Catheters (Multi-Use)

External Reference

Non-Infused

-15 cm -10 cm -5 cm 0 cm 5 cm 10 cm 15 cm 20 cm 25 cm

ZAN-BS-01M	≥18 cm esophageal length, 6 impedance (spaced 2 cm), 1 pH channel (esophageal), diameter 6.4 FR / 2.13 mm.
ZAN-BG-44M	≥18 cm esophageal length, 6 impedance (spaced 2 cm), 2 pH channels (gastric & esophageal), -15 & 0 cm, diameter 6.4 FR / 2.13 mm.
ZPN-BG-07M	15-18 cm esophageal length, 6 impedance (spaced 2 cm), 1 pH channel (esophageal), diameter 6.4 FR / 2.13 mm.
ZPN-BS-46M	15-18 cm esophageal length, 6 impedance (spaced 2 cm), 1 pH channel (esophageal), diameter 6.4 FR / 2.13 mm.
ZIN-BS-45M	<15 cm, esophageal length, 6 impedance (spaced 1.5 cm), 1 pH channel (esophageal), diameter 6.4 FR / 2.13 mm.



Drawings are not to scale

= Distal pH
 = pH
 = LES Locator
 = Impedance Ring

ComforTec® Z/pH Catheters (Single-Use)

Internal Reference

Infused

-15 cm -10 cm -5 cm 0 cm 5 cm 10 cm 15 cm 20 cm

ZAI-BS-01 ≥18 cm esophageal length, 6 impedance (spaced 2 cm),
1 pH channel (esophageal), diameter 6.9 FR / 2.3 mm



ZAI-BD-31 ≥18 cm esophageal length, 6 impedance (spaced 2 cm),
2 pH channels (esophageal), 0 & 15 cm, diameter 6.9 FR / 2.3 mm



ZAI-BG-44 ≥18 cm esophageal length, 6 impedance (spaced 2 cm), 2 pH channels
(gastric & esophageal), -15 & 0 cm, diameter 6.9 FR / 2.3 mm



ZPI-BS-46 15-18 cm esophageal length, 6 impedance (spaced 2 cm),
1 pH channel (esophageal), diameter 6.9 FR / 2.3 mm.



ZPI-BS-50 15-18 cm esophageal length, 6 impedance (spaced 1.5 cm),
1 pH channel (esophageal), diameter 6.9 FR / 2.3 mm.



ZPI-BG-52 15-18 cm esophageal length, 6 impedance (spaced 1.5 cm), 2 pH
channels (gastric & esophageal), -12 & 0 cm, diameter 6.9 FR / 2.3 mm.



Non-Infused

-15 cm -10 cm -5 cm 0 cm 5 cm 10 cm 15 cm 20 cm

ZAN-BS-01 ≥18 cm esophageal length, 6 impedance (spaced 2 cm),
1 pH channel (esophageal), diameter 6.4 FR / 2.13 mm.



ZAN-BG-44 ≥18 cm esophageal length, 6 impedance (spaced 2 cm), 2 pH channels
(gastric & esophageal), -15 & 0 cm, diameter 6.4 FR / 2.13 mm.



ZPN-BS-46 15-18 cm esophageal length, 6 impedance (spaced 2 cm),
1 pH channel (esophageal), diameter 6.4 FR / 2.13 mm.



ZPN-BS-50 15-18 cm esophageal length, 6 impedance (spaced 1.5 cm),
1 pH channel (esophageal), diameter 6.4 FR / 2.13 mm.



ZPN-BG-07 15-18 cm esophageal length, 6 impedance (spaced 2 cm), 2 pH
channels (gastric & esophageal), -12 & 0 cm, diameter 6.4 FR / 2.13 mm.



ZIN-BS-51 <15 cm, esophageal length, 6 impedance (spaced 1.5 cm),
1 pH channel (esophageal), diameter 6.4 FR / 2.13 mm.



Drawings are not to scale

■ = Distal pH ● = pH ○ = LES Locator ■ = Impedance Ring

External Reference

Acid LPR

-30 cm -25 cm -20 cm -15 cm -10 cm -5 cm 0 cm 5 cm

ZPI-BL-23E Esophageal reflux + acid LPR detection, 17-19 cm esophageal length, 6 impedance (spaced 1.5 cm), 2 pH channels, -16 & 0 cm, diameter 6.9 FR / 2.3 mm.



ZPI-BL-24E Esophageal reflux + acid LPR detection, 14-16 cm esophageal length, 6 impedance (spaced 1.5 cm), 2 pH channels, -14 & 0 cm, diameter 6.9 FR / 2.3 mm.



ZPI-BL-25E Esophageal reflux + acid LPR detection, 11-13 cm esophageal length, 6 impedance (spaced 1.5 cm), 2 pH channels, -12 & 0 cm, diameter 6.9 FR / 2.3 mm.



ZAI-BL-26E Esophageal reflux + acid LPR detection, 26-28 cm esophageal length, 6 impedance (spaced 2 cm), 2 pH channels, -25 & 0 cm, diameter 6.9 FR / 2.3 mm.



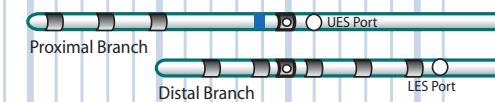
ZAI-BL-27E Esophageal reflux + acid LPR detection, 23-25 cm esophageal length, 6 impedance (spaced 2 cm), 2 pH channels, -22 & 0 cm, diameter 6.9 FR / 2.3 mm.



ZAI-BL-28E Esophageal reflux + acid LPR detection, 20-22 cm esophageal length, 6 impedance (spaced 2 cm), 2 pH channels, -19 & 0 cm, diameter 6.9 FR / 2.3 mm.



ZAI-BL-48E Esophageal reflux + acid LPR detection, universal bifurcated, 6 impedance (spaced 2 cm), 2 pH channels, diameter 6.9 FR / 2.3 mm.



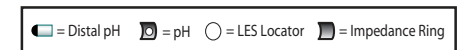
Buffer Solutions

D82-3103 pH 1 BUFFER 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 pH or Z/pH reflux testing systems and catheters.

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

Drawings are not to scale



Comfortec® PLUS Acid (pH) Catheters (Single-Use)

Internal Reference

Infused

PHIS	Single pH channel, diameter 6.9 FR / 2.3 mm.
PHI5	Dual pH channel, 5 cm spacing, diameter 6.9 FR / 2.3 mm.
PHI10	Dual pH channel, 10 cm spacing, diameter 6.9 FR / 2.3 mm.
PHI15	Dual pH channel, 15 cm spacing, diameter 6.9 FR / 2.3 mm.
PHI21	Dual pH channel, 21 cm spacing, diameter 6.9 FR / 2.3 mm.
PHI10-V	VariTEC, Bifurcated, 10 cm spacing on proximal branch and single channel on distal branch, infused on proximal branch, diameter 6.9 FR / 2.3 mm. Distal branch diameter 5 FR/1.67 mm.

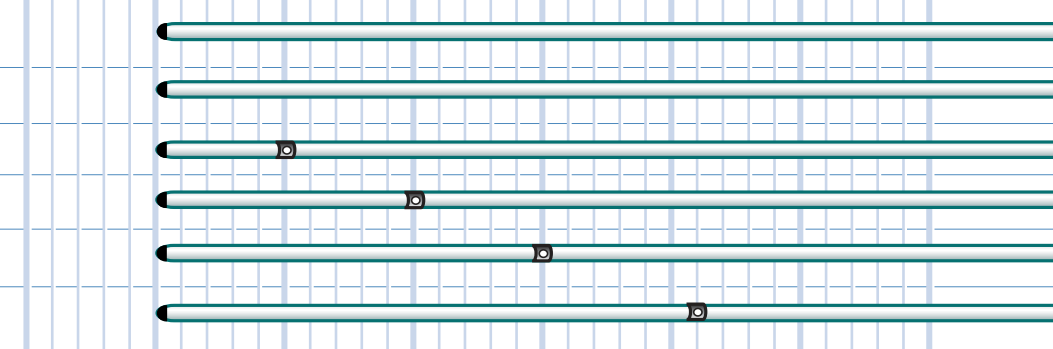
-5 cm 0cm 5 cm 10 cm 15 cm 20 cm 25 cm



Non-Infused

PHNS-P	Single pH channel, pediatric, diameter 5 FR / 1.67 mm.
PHNS	Single pH channel, diameter 6.4 FR / 2.13 mm.
PHN5	Dual pH channel, 5 cm spacing, diameter 6.4 FR / 2.13 mm.
PHN10	Dual pH channel, 10 cm spacing, diameter 6.4 FR / 2.13 mm.
PHN15	Dual pH channel, 15 cm spacing, diameter 6.4 FR / 2.13 mm.
PHN21	Dual pH channel, 21 cm spacing, diameter 6.4 FR / 2.13 mm.

-5 cm 0 cm 5 cm 10 cm 15 cm 20 cm 25 cm



Clinical Innovations Latitude® Gastrointestinal Manometry Probes

Esophageal

GIM-6000E	4 Channel Disposable Probe, Package of 5 (shown)
GIM-6201	Stylet
GIM-6110	Calibration Stopper
GIM 6100	Calibration Kit
GIS-7010	Clinical Innovations Adapter Cable, InSIGHT G3

Anorectal

GIM-6000A	4 channel Radial Disposable Probe, Package of 5
GIM-6000D	4 channel Directional Disposable Probe, Package of 5 (shown)
GIM-6200	Stylet
GIM-6110	Calibration Stopper
GIM 6100	Calibration Kit
GIS-7010	Clinical Innovations Adapter Cable, InSIGHT G3



Sandhill Scientific has been a world-wide leader in the field of gastroenterology diagnostics for nearly 30 years. Known for innovative technologies, the company continues to lead the industry in total solutions for G.I. diagnostics.

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AirFLOW™ Sphincter Locator

Simplifies Sphincter location when used in combination with ComforTEC infused pH and Z/pH Catheters.

Size and performance in G.I. diagnostics.

The ZepHr system employs impedance to detect reflux activity and uses pH to categorize each episode as acid or nonacid.

We call this unprecedented breakthrough **Total Reflux Monitoring**, because it delivers all the information you need for a precise, accurate assessment of acid and nonacid reflux as well as the correlation between reflux and symptoms.



Sandhill University - a higher level of training and education

Providing great products is just the first step in a long term relationship with our customer...we believe that education and training is the key component to the best utilization of our products which enables you to provide outstanding patient care. That's why at Sandhill University, we have developed a comprehensive set of options to meet your needs.



www.sandhillsci.com