



Temperature Monitoring
comfort & precision for patient stability


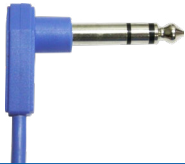



Temperature Monitoring

DeRoyal® Temperature Monitoring

The pause of a heartbeat. The body's warmth beneath drapes. The life-giving force of rhythmic breathing. These vital signs are yours to guard, measure, stabilize, and cross check. DeRoyal's line of Temperature Monitoring products helps you do your job, giving you the information needed to provide the most comfortable and precise management of your patients' stability during surgical procedures. These products are designed to be as vigilant as you are, so you can confidently regulate healing.

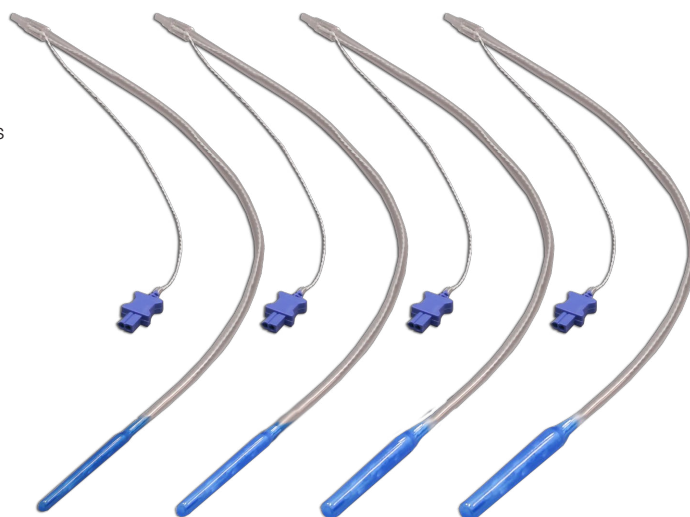
Interface Cables

- Cables are designed to be compatible with most multifunctional physiological monitors and anesthesia machines
- All cables are 12 feet (3.6 meters) long
- Packaged non-sterile, 1 per box
- Not made with natural rubber latex

Product No.	Monitors & Machines	Shape	Quantity
81-101400	Monitors (except Hewlett Packard®) requiring YSI 400 Series type thermistor sensor using female pins		1/Box
81-101700	Monitors requiring YSI 700 Series type thermistor sensor		1/Box
81-1010HP	All Hewlett Packard® and Philips Monitors YSI 400 Series		1/Box
81-1010SM	Siemens Monitors YSI 400 Series		1/Box
81-1010MR	Mindray® Monitors YSI 400 Series		1/Box

Esophageal Stethoscopes

- Designed for use in surgical setting to monitor heart and respiratory sounds and to measure core body temperature in anesthetized patients
- Provides superior heart and respiratory sound transmission
- Available with or without temperature monitoring capability
- Complete line includes all popular French sizes
- Fully compatible with most monitors
- Available in extra-long lengths
- Available in regular and soft flexibility for enhanced patient comfort
- Atraumatic, low-friction surface for ease of insertion
- Thin distal cuff allows optimal sound transmission and fidelity
- Positive locking connector for secure cable connection
- Not made with natural rubber latex
- Sterile



With Temperature Sensor

400 Series/Regular Tube

Part No.	Description	Size	Quantity
81-040409	Esophageal Stethoscope	9FR	50/Cs
81-040412	Esophageal Stethoscope	12FR	50/Cs
81-040418	Esophageal Stethoscope	18FR	50/Cs
81-040424	Esophageal Stethoscope	24FR	50/Cs

400 Series/Soft Tube

Part No.	Description	Size	Quantity
81-050409	Esophageal Stethoscope	9FR	50/Cs
81-050412	Esophageal Stethoscope	12FR	50/Cs
81-050418	Esophageal Stethoscope	18FR	50/Cs
81-050424	Esophageal Stethoscope	24FR	50/Cs

400 Series/Extra-Long Length

Part No.	Description	Size	Quantity
81-044418	Esophageal Stethoscope	18FR	50/Cs

700 Series/Regular Tube

Part No.	Description	Size	Quantity
81-040709	Esophageal Stethoscope	9FR	50/Cs
81-040712	Esophageal Stethoscope	12FR	50/Cs
81-040718	Esophageal Stethoscope	18FR	50/Cs

700 Series/Soft Tube

Part No.	Description	Size	Quantity
81-050709	Esophageal Stethoscope	9FR	50/Cs
81-050718	Esophageal Stethoscope	18FR	50/Cs

Without Temperature Sensor

Regular Tube

Part No.	Description	Size	Quantity
81-060009	Esophageal Stethoscope	9FR	50/Cs
81-060018	Esophageal Stethoscope	18FR	50/Cs

Soft Tube

Part No.	Description	Size	Quantity
81-070018	Esophageal Stethoscope	18FR	50/Cs
81-070024	Esophageal Stethoscope	24FR	50/Cs

Temperature Monitoring

General-Purpose Temperature Probes

- For routine monitoring of patient's core body temperature
- Versatile design allows for oral, nasal, or rectal introduction
- Low-friction surface for ease of insertion
- Positive-locking connector for secure cable connection
- Completely enclosed sensor wires for improved stability and hygiene
- Thin, flexible design ensures optimal patient safety
- Non-toxic, non-porous material for patient safety
- Fully compatible with most monitors
- Available in regular and soft flexibility for enhanced patient comfort
- Not made with natural rubber latex
- Sterile

Full Length Sheath

400 Series Regular

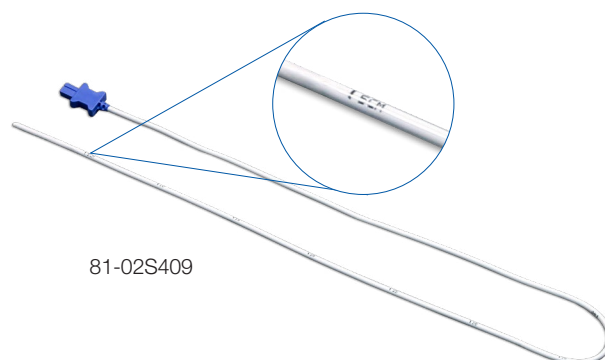
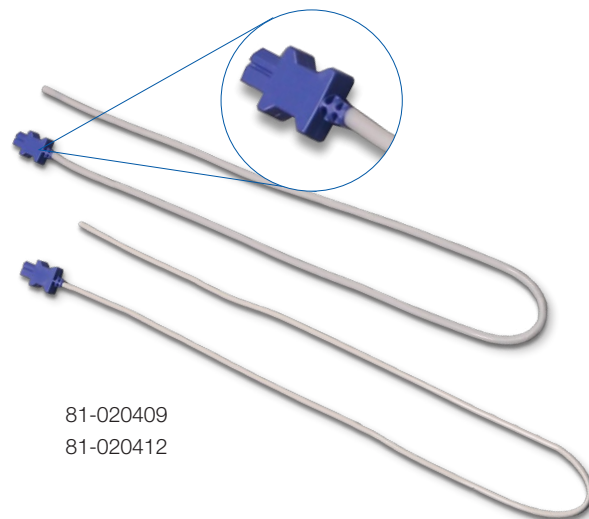
Part No.	Description	Size	Quantity
81-020409	General-Purpose Temperature Probe	9FR	50/Cs
81-020412	General-Purpose Temperature Probe	12FR	50/Cs

400 Series Soft w/Depth Markings

Part No.	Description	Size	Quantity
81-02S409	General-Purpose Temperature Probe	9FR	50/Cs
81-02S412	General-Purpose Temperature Probe	12FR	50/Cs

700 Series

Part No.	Description	Size	Quantity
81-020709	General-Purpose Temperature Probe	9FR	50/Cs



Nasopharyngeal Probes †

- Optimized design for nasal use
- Soft sheath for atraumatic insertion to minimize epistaxis
- 18" (457 mm) sheath on 30" (762 mm) wire provides additional flexibility
- Fits standard DeRoyal® interface cables
- Not made with natural rubber latex
- Sterile

400 Series

Part No.	Description	Size	Quantity
81-025409	GP/Nasopharyngeal Probe	9FR	50/Cs



Nasal Probe [†]

- Optimized design for nasal use
- Smoothed tip for atraumatic insertion
- 1" (25 mm) sheath to protect delicate nasal tissue
- Soft and pliable wire
- Fits standard DeRoyal® interface cables
- Use any standard medical tape or parafiltrum to hold in place
- Not made with natural rubber latex
- Sterile

400 Series

Part No.	Description	Quantity
81-025400	GP/Nasal Probe	50/Cs



[†] "In adults, the NP (nasal temperature probe) readings closely match the core temperature readings obtained by ES (esophageal stethoscope) and thus can be used as a reliable surrogate measure of core temperature. This technique may be useful and advantageous in various situations, particularly when other methods of core temperature monitoring are not available or reliable."

Roth, MD, Jonathan V. and Braitman, PhD, Leonard E.
Nasal Temperature can be used as a Reliable Surrogate Measure of Core Temperature
 Journal of Clinical Monitoring and Computing (2008) 22: 309-314.

Foley Catheters with Temperature Sensor

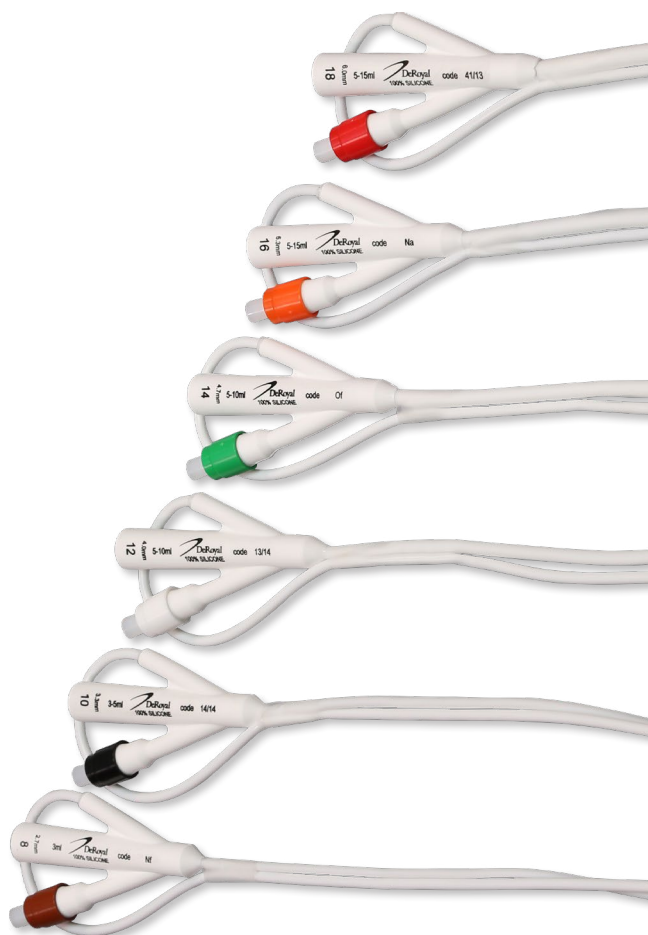
- For urinary drainage and simultaneous monitoring of core body temperature
- Dual-purpose design can be used before, during, or after surgery
- Color-coded hubs for size identification
- Positive-locking connector for secure cable attachment
- Fully compatible with most monitors
- Safe, non-toxic components
- Complete range of sizes: 6-18 French
- Available single sterile or can be delivered in your Custom Procedural Tray
- Dependable 100% silicone tubing
- Certified as MR Conditional for use in Magnetic Resonance (MR) Environment at 3.0 Tesla
- Not made with natural rubber latex
- Sterile

400 Series

Part No.	Description	Size	Quantity
81-080408	Foley Catheter Temperature Probe	8FR (Brown)	50/Cs
81-080410	Foley Catheter Temperature Probe	10FR (Black)	50/Cs
81-080412	Foley Catheter Temperature Probe	12FR (White)	50/Cs
81-080414	Foley Catheter Temperature Probe	14FR (Green)	50/Cs
81-080416	Foley Catheter Temperature Probe	16FR (Orange)	50/Cs
81-080418	Foley Catheter Temperature Probe	18FR (Red)	50/Cs

700 Series

Part No.	Description	Size	Quantity
81-080716	Foley Catheter Temperature Probe	16FR (Orange)	50/Cs
81-080718	Foley Catheter Temperature Probe	18FR (Red)	50/Cs



Temperature Monitoring

Foley Catheter Kits

- Everything needed for the insertion of Foley Catheters, urine drainage and measurement
- Available with or without DeRoyal's Foley Catheter with Temperature Sensor
- Includes syringe pre-filled with sterile saline
- Not made with natural rubber latex.
- Nitrile gloves included
- Sterile

Part No.	Description	Quantity
81-080514	Foley Kit w/14FR Catheter	10/Cs
81-080516	Foley Kit w/16FR Catheter	10/Cs
81-080518	Foley Kit w/18FR Catheter	10/Cs
81-080500	Foley Kit w/o Catheter	10/Cs



Multi-Purpose Tube Holder

- Ideal for securing Foley Catheters and a variety of tubes and catheters
- Adhesive loop securely holds Foley Catheter in place
- For use with Jejunostomy Tubing, Leg Bag Tubing and Subclavian Line Ports
- Helps prevents tube dislodgement
- Applicable for securing wound drainage tubing and peritoneal dialysis exit site tubing
- Easy to position and reposition tabs
- Not made with natural rubber latex
- Non-sterile

Part No.	Description	Quantity
30-1002	Tube Holder, Medium, Non-Sterile	50/Cs
30-1003	Tube Holder, Large, Non-Sterile	50/Cs

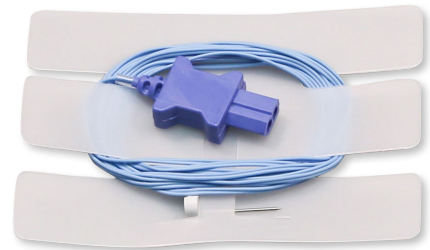


Myocardial Temperature Probes

- Used to monitor the temperature of the myocardium during open heart surgeries
- Available in a full range of popular sizes
- Small diameter stainless steel needle for less traumatic applications
- Fully compatible with most monitors
- Sturdy wire and connector for secure cable connection
- Tiny needle hub improves probe accuracy and minimizes operating site interference
- All have 21 GA needle
- Not made with natural rubber latex
- Sterile

400 Series

Part No.	Description	Size	Quantity
81-030408	Myocardial Temperature Probe	8mm	20/Cs
81-030415	Myocardial Temperature Probe	15mm	20/Cs
81-030418	Myocardial Temperature Probe	18mm	20/Cs
81-030430	Myocardial Temperature Probe	30mm	20/Cs



Adult Skin Temperature Probes

- Can be used in all clinical settings requiring routine monitoring of the patient's surface temperature
- Non-irritating adhesive is less traumatic to patient's skin
- Packaged sterile for convenient use in any clinical setting
- Positive-locking hub for secure cable connections
- Highly accurate skin sensor provides reliable surface temperature readings
- Fully compatible with most monitors
- Not made with natural rubber latex
- Sterile

400 Series

Part No.	Description	Quantity
81-010400	Adult Skin Temperature Sensor	50/Cs

700 Series

Part No.	Description	Quantity
81-010700	Adult Skin Temperature Sensor	50/Cs



Temperature Monitoring

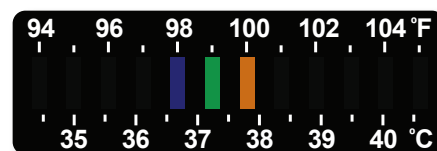
LCD Sens°strip™ Temperature Trend Indicators

- Displays a continuous temperature display in 1° while adjusting for core temperature
- Provides a proper numerical reading in seconds
- Provides a base line temperature that can be monitored to determine if the temperature is rising or staying constant
- Changes in color from **RED/TAN** to **GREEN** to **BLUE** that correlates to a change in temperature
- Provides a convenient, accurate and inexpensive way to monitor a patient's temperature trends
- Excellent detector of malignant hyperthermia and hypothermia
- May be used in conjunction with temperature probes

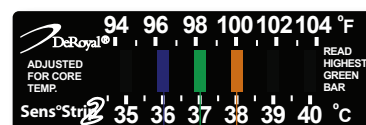
Not made with natural rubber latex
Non-sterile

Part No.	Description	Size	Quantity
81-010000	LCD Sens°strip™ Trend Indicator in Envelope 12 bars, 1° F increments	.75" x 2.5"	100/Cs
81-010001	LCD Sens°strip™ Trend Indicator Dispenser Box 12 bars, 1° F increments	.75" x 2.5"	100/Cs
81-010003	LCD Sens°strip™ 2 Trend Indicator Dispenser Box 6 bars, 1° C increments	.625" x 1.75"	100/Cs

Sens°Strip™



Sens°Strip™ 2



- **TAN** - Indicator is just above Actual Temperature
- **GREEN** - Indicator is the Actual Temperature Reading
- **BLUE** - Indicator is just below Actual Temperature

Acrylic Holder

Part No.	Description	Quantity
81-0100BX	Acrylic Holder for Sens°strip™ Trend Indicator Dispenser Boxes Non-Sterile	1/Cs



Tympanic Temperature Probes

- Designed for atraumatic measurement of patient temperature from the aural canal
- Contoured ear piece ensures simple, secure placement
- Soft cotton tip to minimize trauma
- Sturdy wire connector assemblies are engineered for dependability
- Extra-long lead eliminates wire tension
- Not made with natural rubber latex
- Non-sterile

400 Series

Part No.	Description	Quantity
81-090400	Tympanic Temperature Probe with Foam Ear Plug	50/Cs
81-090401	Tympanic Temperature Probe without Foam Ear Plug	50/Cs



DeRoyal offers a full range of replacement temperature probe covers of different sizes and adhesives to meet the specific clinical needs of the neonate. The clinician can choose from adhesives made from hydrogel and acrylic. DeRoyal's Hydrogel Temperature Probe Covers are designed to reduce the risk of epidermal stripping in the NICU as well as providing the secure attachment needed for gathering vital information about the neonate. Our pectin-based hydrogel covers protect fragile skin from adhesives, reduce risk to epidermal layers as they continue their post-partum maturation, and allow the removal or relocation of probes without disrupting skin integrity†.

Neonatal Sensor Probe Replacement Cover System

- For accurate measurement of baby's skin temperature
- Hydrogel covers available with or without foam to maximize conformability
- Two sizes of replacement covers
- Reflective sensor cover deflects radiant heat for more accurate readings
- Not made with natural rubber latex



Size	Hydrogel w/Foam	Hydrogel	Foam w/Acrylic Adhesive
Construction	Foil		
	Foam	Foil	Foil
	Hydrogel	Hydrogel	Foam
7/8"	HNICU-00	HNICU-02	HNICU-04
1 1/8"	HNICU-01	HNICU-03	HNICU-05
	Good Best	Good Best	Good Best
"Adhesiveness"			
"Gentleness"			

* All packaged 200/Cs.

Temperature Monitoring

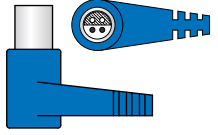
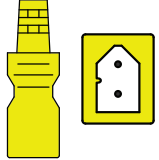
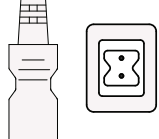
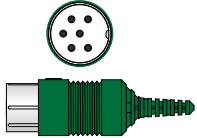
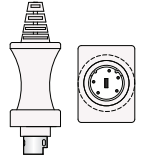
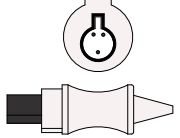
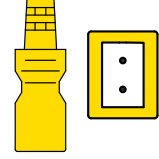
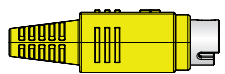
Neonatal Skin Temperature Sensor Probes

- Provides comfortable and precise management of neonatal patients' vital signs.
- Compatible with the most common neonatal temperature monitoring and warming equipment.
- Available in a one-piece completely disposable design (HNICU series probes) or through a connecting interface cable (FNICU series probes).
- Unique color-coding system ensures proper sensor identification during use and storage.
- Reflective sensor cover deflects radiant heat for more accurate readings.
- Disposable replacement pads available in choice of hydrogel or adhesive pads to adhere to fragile infant skin without irritation.
- Packaged 50 probes per case.
- Interface cable is 3ft (0.91m) in length



Product No.	Color	Probe Cover	Machines & Manufacturers	Replaces Probe Number	Shape†
HNICU-22 (Disposable Probe)	Black	Cover Hydrogel Probe w/Foam 7/8"	OHMEDA® 190 OHMEDA® 190A	Ohmeda® LA001, OEM #LA003, LA005, #6600-0196-700 #6600-0208-700, Level 1's STS-203	
HNICU-25 (Disposable Probe)	Purple	Cover Acrylic w/ Foam 7/8"	Air-Shields® Isolette® C-550, C-550 QT, C-100, C-100 QT, C-450, C-450 QT, C-550, C-550 QT (Model XL), PM78, Isolette® TI500, IICS90, IICS, Globe-Trotter GT5400, TI 500 Globe-Trotter	Air-Shields®/Vicker's 68-209-70 Level 1's STS-201	
HNICU-26 (Disposable Probe)	Orange	Cover Hydrogel w/o Foam 7/8"	Careplus Series 1000/2000 Ohmeda® Careplus Series 3000/4000 Ohmeda® General Care (GC) Ohmeda® Infant Care (IC) Ohmeda® Infant Warming System (IWS) 2001, 3000, 3050, 3100, 3150, 3300, 3400, 3500, 4000, 4300, 4400, 5000	Ohmeda® LA003 (Reusable) & LA005 (Disposable) #6600-0196-700 #6600-0208-700 Level 1's STS-204	
HNICU-29 (Disposable Probe)	Green	Cover Acrylic w/ Foam 7/8"	Air-Shields® C86 Incubator (Old Version)	Air-Shields®/Vicker's 17-575-14	
HNICU-30 (Disposable Probe)	Blue	Cover Hydrogel Probe w/Foam 7/8"	Air-Shields® C-550 QT Air-Shields® Isolette® C-200, C-200 QT, C-300, C-400 QT, C-500 QT Air-Shields® 7810, 7820, 7830, 7840 (Radiant Warmer), Air-Shields® Isolette® C2000	CareFusion® 10-1910-020, 10-1910-060, Hill-Rom® BCZ009, Level 1's STS-206	
HNICU-31 (Disposable Probe)	Gold	Cover Hydrogel Probe w/Foam 7/8"	Hill-Rom® Stabilet Radiant Warmers 200 & 2000 Series, Drager® Isolette® Incubators/C-100, C450, C550, and PM-78 Radiant Warmers	CareFusion® OEM, Premie Probe 1, #68-209-20/MUO6933, #68-209-30/MUO6935, 10-1910-020, 10-1910-060 Hill-Rom® BCZ008 Level 1's STS-205	

Temperature Monitoring

Product No.	Color	Probe Cover	Machines & Manufacturers	Replaces Probe Number	Shape†
HNICU-32 (Disposable Probe)	Blue	Cover Hydrogel Probe w/Foam 7/8"	Drager® Babytherm® 8010, 8000, Overhead Radiant Heater 2M20116, Incubators 8000 IC & 8000 SC (Standard Care)	Drager® Reusable Probe 8405371	
HNICU-33 (Disposable Probe)	Yellow	Cover Hydrogel Probe w/Foam 7/8"	Drager® Isolette® 8000 IC w/Thermo Monitoring, Babytherm® 8004, & Babytherm® 8010	No Reusable by Drager®	
HNICU-34 (Disposable Probe)	White	Cover Hydrogel Probe w/Foam 7/8"	Drager® Babytherm® 8004 & Babytherm® 8010	No Reusable by Drager®	
HNICU-35 (Disposable Probe)	Green	Cover Hydrogel w/F 1 1/8"	Air-Shields® Isolette® C100, C400QT, C450QT, C550, IT500, & Radiant Warmer IICS-90 Resuscitaire® PM-78 Radiant Warmers	CareFusion® OEM, Premie Probe 3, #81-300-006, #81-300-008 MU11228, #81-300-009/MU11229, 10-1910-020, 10-1910-060, Air Shields® 81-300-05, 81-300-08, & 81-300-09	
HNICU-36 (Disposable Probe)	Off White	Cover Hydrogel Temperature Skin Senso w/o Foam 7/8"	Drager® Isolette® C2000 & 8000 Incubators, Versalet 7700 Care Center	Drager® M911228-02 Premie Probe 5-5-L #83-104-15/MU12551	
HNICU-37 (Disposable Probe)	Off White	Cover Hydrogel Temperature Skin Senso w/o Foam 7/8"	GE® Giraffe OmniBed, Giraffe Incubators, Giraffe Warmers & Panda Warmers	"CareFusion® 10-1910-020, 10-1910-060 GE® 6600-0873-700 & 6600-0874-700 Level 1's STS-209"	
HNICU-38 (Disposable Probe)	Yellow	Cover Acrylic w/ Foam 7/8"	Drager® Babytherm® 8004 & Babytherm® 8010 CALEO Incubators	CareFusion® OEM, MX11000, 10-1910-010, 10-1910-060 No Reusable by Drager®	
HNICU-39 (Disposable Probe)	Yellow	Cover Hydrogel w/o Fm 1 1/8"	ATOM® Infa Warmer 1® ATOM® Medical Incubators	Skin Temp Probe 1 NT-024 Reusable Yellow 60881 Reusable White, OEM Nf-023, NF-024 #60882, #60883, #60084 w/connector	

* All packaged 50/Cs.

† Drawings not to scale.

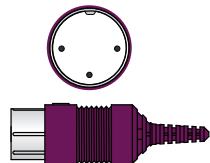
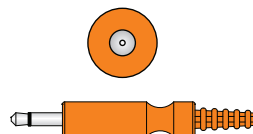
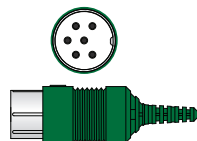
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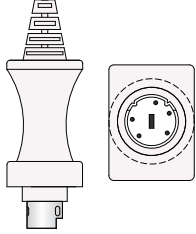
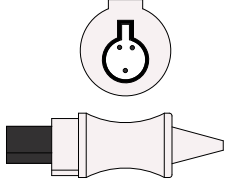
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Temperature Monitoring

REUSABLE INTERFACE

Product No.	Probe Cover	Color	Machines & Manufacturers	Replaces Probe Number	Shape†
NI-25 (Reusable Cable)		Purple	Air-Shields® Isolette® C100, C450, C550, IT500, C200, PM72s, & Radiant Warmers IICS, IICS90, IICS-VHA, BRW, DRW & ESIW 20C550, PM78s	Air-Shields®/Vicker's 68-209-70 Level 1's STS-201	
FNICU-25 (Disposable Probe)	Cover Hydrogel w/o Foam 7/8"				
NI-26 (Reusable Cable)		Orange	Ohmeda®/Care Plus Intensive Care IC, GC and CP Incubator & Infant Warmer System (IWS) 2001, 3000, 3300, 3500, & 5000	Ohmeda® LA003 (Reusable) & LA005 (Disposable) #6600-0196-700 #6600-0628-700 Level 1's STS-204	
FNICU-26 (Disposable Probe)	Cover Hydrogel w/o Foam 7/8"				
NI-35 (Reusable Cable)		Green	Air-Shields® Isolette® C100, C400QT, C450QT, C550, IT500, & Radiant Warmer IICS-90 Resuscitaire® PM-78 Radiant Warmers	CareFusion® OEM, Premie Probe 3, #81-300-006, #81-300-008 MU11228, #81-300-009/MU11229, 10-1910-020, 10-1910-060, Air Shields® 81-300-05, 81-300-08, & 81-300-09	
FNICU-35 (Disposable Probe)	Cover Hydrogel w/o Foam 7/8"				

REUSABLE INTERFACE

Product No.	Probe Cover	Color	Machines & Manufacturers	Replaces Probe Number	Shape†
NI-36 (Reusable Cable)		Off White	Drager® Isolette® C2000 & 8000 Incubators, Versalet 7700 Care Center	Drager® M911228-02 Premie Probe 5-5-L #83-104-15/MU12551	
FNICU-36 (Disposable Probe)	Cover Hydrogel w/o Foam 7/8"				
NI-37 (Reusable Cable)		Pink	GE® Giraffe OmniBed, Giraffe Incubators, Giraffe Warmers & Panda Warmers	CareFusion® 10-1910-020, 10-1910-060 GE® 6600-0873-700 & 6600-0874-700 Level 1's STS-209	
FNICU-37 (Disposable Probe)	Cover Hydrogel w/o Foam 7/8"				

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DeRoyal Industries, Inc.
200 DeBusk Lane, Powell, TN 37849 USA
800.DEROYAL or 865.938.7828
Customer Service: 800.251.9864
www.deroyal.com

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