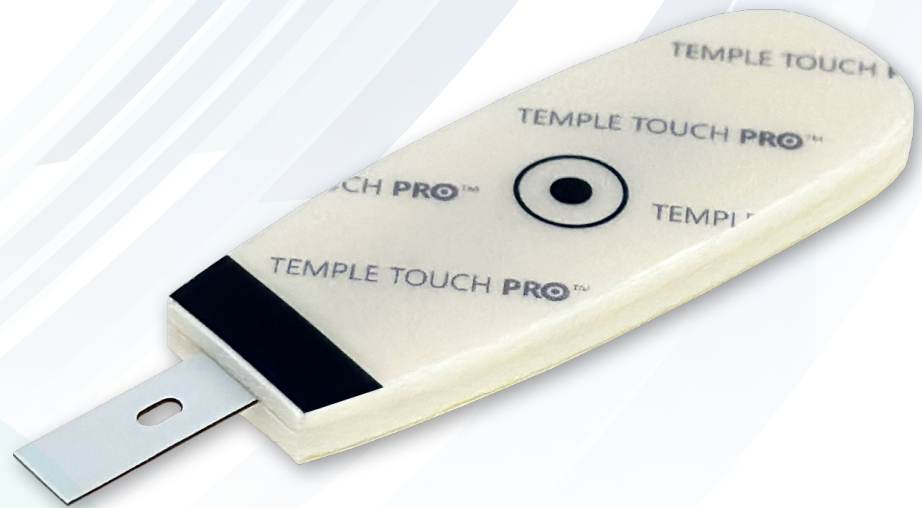


TEMPLE TOUCH PRO™

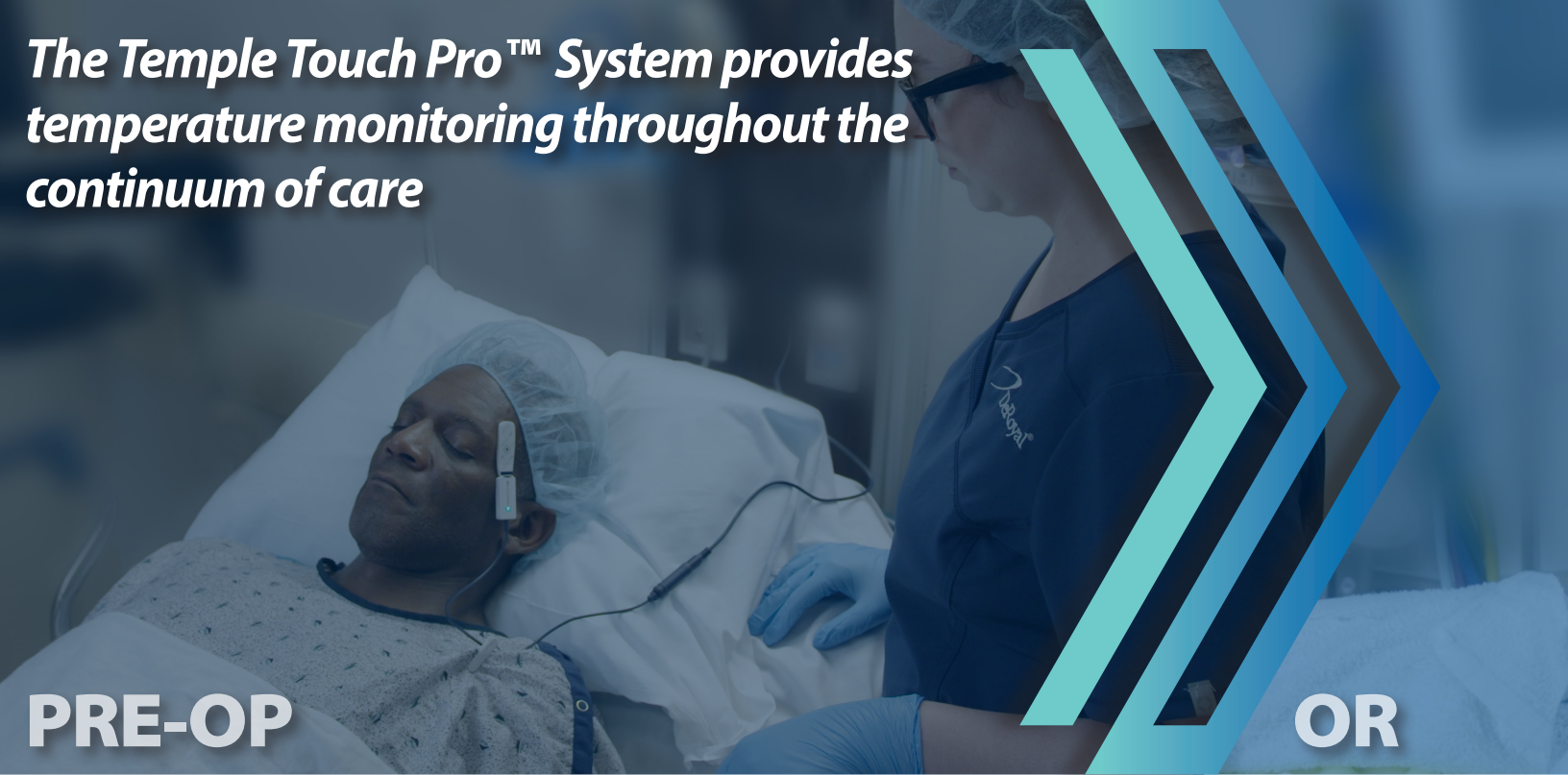
Non-Invasive, Core Temperature Monitoring System



A single solution for the entire continuum of care.

 DeRoyal®

The Temple Touch Pro™ System provides temperature monitoring throughout the continuum of care



PRE-OP

OR

Non-Invasive ◉ Easy-To-Use ◉ Single Application



◉ Clean patient's temple and allow to dry.

◉ Connect the Sensor.

◉ Apply to patient's temple between the hairline and eyebrow.

◉ Press to secure.

Clinically Proven Core Temperature Monitoring Solution

PACU



7
Studies



Patients

350+

When compared to the following invasive core temperature monitoring methods, the Temple Touch Pro™ System:



Tympanic: had less temperature variability.⁷



Nasopharyngeal: had fewer temperature outliers and was less affected by surgical positioning.⁶



Nasopharyngeal & Esophageal: was within 0.5°C 94% of the time in adult and pediatric patients.¹



Esophageal: was considered to be an acceptable alternative core temperature monitoring method in adult and pediatric patients.^{2,3,4}



Pulmonary Artery: had similar accuracy compared to other non-invasive core temperature monitoring products.⁸

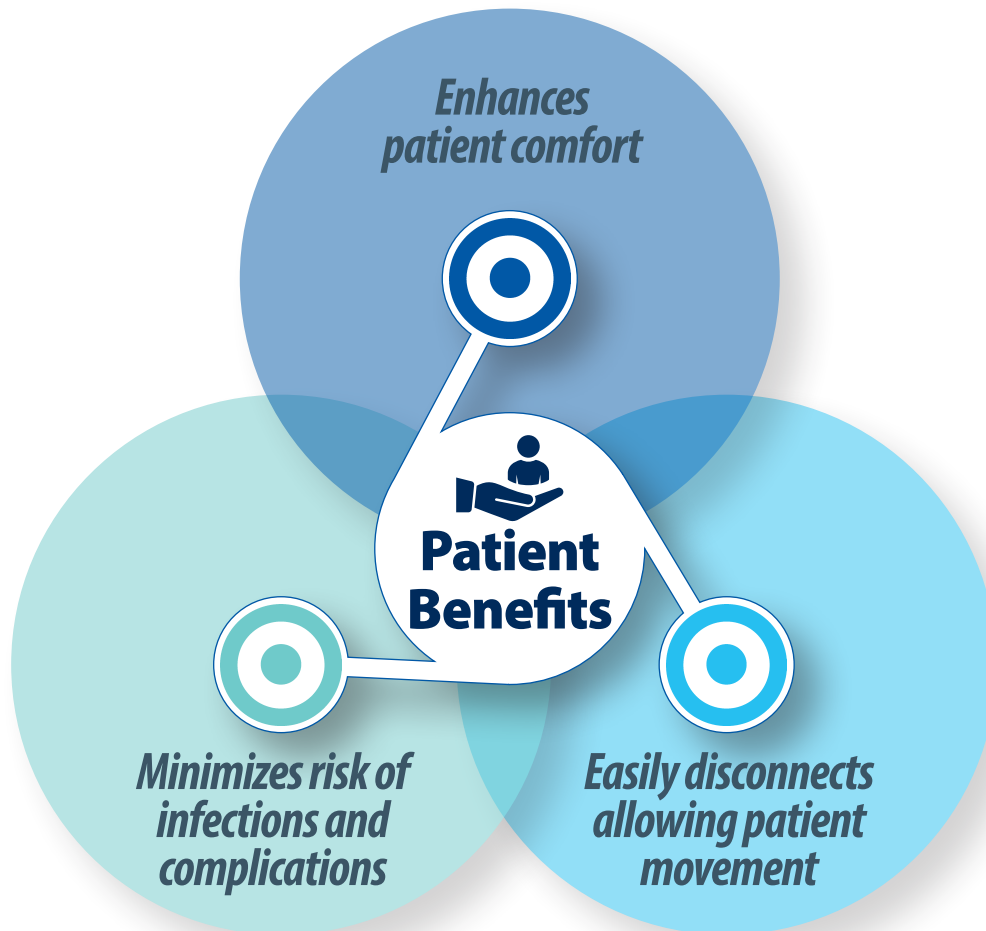


Rectal: is more likely to reflect core temperature.⁵

**The Temple Touch Pro™ System
can also be used in the ICU.**



ICU



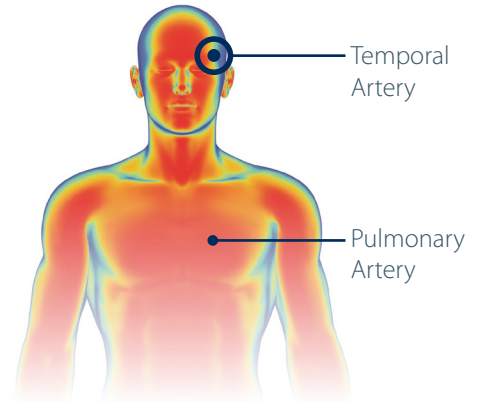
Clinical citations:

1. Evron S, Weissman A, Toivis V, Shahaf DB, You J, Sessler DI, Ezri T. Evaluation of the Temple Touch Pro, a Novel Noninvasive Core-Temperature Monitoring System. *Anesth Analg.* 2017 Jul;125(1):103-109. doi: 10.1213/ANE.0000000000001695. PMID: 28617697.
2. Nemeth M, Klose K, Mielke B, Fazliu A, Brauer A, Miller C. Prospective evaluation of the temple touch pro temperature monitoring system compared to esophageal reference temperature in paediatric anaesthesia (PETER PAN-Study) presented at Euro Anaesthesia 2021. Munich.
3. Nemeth M, Klose K, Asendorf T, Pancaro C, Mielke B, Fazliu A, Saager L, Brauer A, Miller C. Evaluation of the noninvasive Temple Touch Pro temperature monitoring system compared with oesophageal temperature in paediatric anaesthesia (PETER PAN): A prospective observation study. *Eur J Anaesthesiol.* 2023 Jan. 10. DOI 10.1097/EJA.0000000000001796
4. Bräuer A, Fazliu A, Brandes IF, Vollnhals F, Grote R, Menzel M. Evaluation of the Temple Touch Pro™ noninvasive core-temperature monitoring system in 100 adults under general anesthesia: a prospective comparison with esophageal temperature. *J Clin Monit Comput.* 2022 Apr 4. doi: 10.1007/s10877-022-00851-z. Epub ahead of print. PMID: 35377051.
5. Fujii Y and Nishiwaki K. Validation of Core Temperature Measurement with Temple Touch Pro™. Using Body Surface Sensors in Pediatric Surgery. Nagoya University Hospital
6. Maruyama T. Comparison of pharyngeal temperature and Temple Touch Pro in robot assisted prostatectomy. Presented at Japan Association for Clinical Engineers 2020
7. Sagawa M and Kitamoto. Comparative study on eardrum temperature and core temperature measured by Temple Touch Pro™. Presented at Japanese Association for Operative Medicine 2018
8. Chida Y, Tachibana S and Yamakage M. Usefulness of temperature monitoring system Temple Touch Pro™ in off-pump coronary artery bypass surgery. Presented at 22nd Japanese Society of Cardia Anesthesiologists, 2022

The Technology

Core temperature is defined as the temperature of the blood flow in the **pulmonary artery**. Traditional core temperature monitoring techniques are invasive and can cause patient discomfort.

Due to its direct blood flow from the heart, the **temporal artery** provides an accurate representation of core temperature. The temporal artery's superficial location makes it easier to access and less invasive than traditional core measurement methods.



Sensor Unit



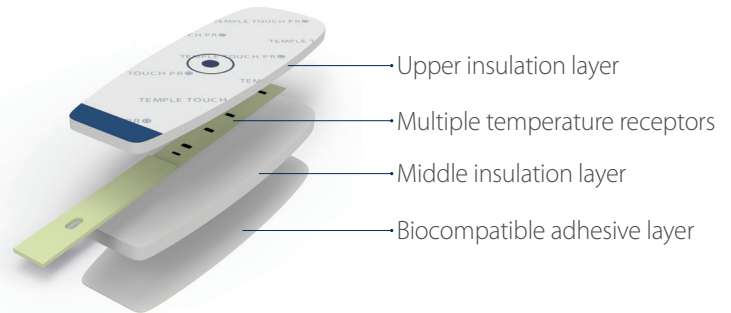
Monitor Connecting Unit (MCU)

Temple Touch Pro™ System

The Temple Touch Pro System consists of a Sensor Unit and a Monitor Connecting Unit (MCU) that uses a patented algorithm to calculate and display core temperature.

The Sensor Unit

The sensor is a non-sterile, disposable device comprised of multiple receptors that measure both the skin surface temperature over the temporal artery and ambient temperature.



Features & Benefits

Non-Invasive

Simple, quick application minimizes the risk of infections and complications that might be generated from the use of invasive probes

Single Application for Entire Continuum of Care

Enables continuous and accurate temperature monitoring throughout diverse clinical settings (Pre-Op, OR, PACU, ICU) and all anesthesia types (general, local, and regional)

Fast

Proven to track and reflect changes in body temperature faster than invasive probes

Small, Lightweight Design for Temporal Placement

Easy to place sensor mitigates interference with other monitors (BIS), hairline, and eyebrow

Disposable

Eliminates need for disinfection, saving time

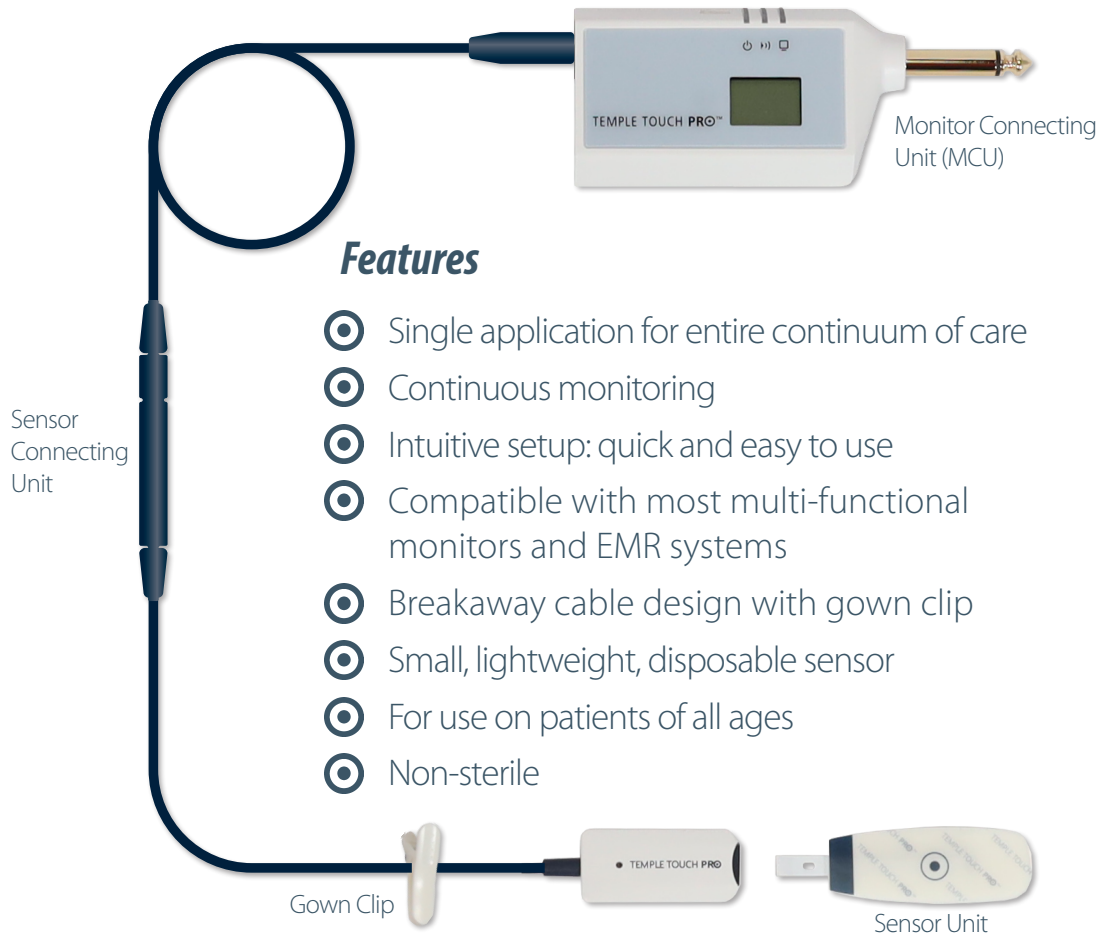
Breakaway Cable

Easy disconnection and reconnection without compromising sensor securement









Gown Clip

Off-loads weight of sensor and cable, reducing chance of unintentional removal of sensor

Continuous Fast Accurate



Features

-  Single application for entire continuum of care
-  Continuous monitoring
-  Intuitive setup: quick and easy to use
-  Compatible with most multi-functional monitors and EMR systems
-  Breakaway cable design with gown clip
-  Small, lightweight, disposable sensor
-  For use on patients of all ages
-  Non-sterile

Part #	Description	Details	Qty
81-1020TTP	Temple Touch Pro™ Kit <i>Kit Contents:</i> Monitor Connecting Unit (MCU) Sensor Connecting Unit Monitor Interface Extension Cable Power Supply	Cable length 110" Cable length 12.5" Cable length 49"	1 each
81-1020SU	Temple Touch Pro Sensor Unit	2"x0.7"x0.2"	50/cs
81-1020REF	Temple Touch Pro Reference Units*		1 each
81-1020SM	Temple Touch Pro Interface Cable - Siemens® Monitor Compatible	Length 11.8"	1 each
81-1020HP	Temple Touch Pro Interface Cable - HP®/Phillips® Monitor Compatible	Length 11.8"	1 each
81-1020MR	Temple Touch Pro Interface Cable - Mindray® Monitor Compatible	Length 11.8"	1 each
81-1020400	Temple Touch Pro Interface Cable - 400 Series Extension	Length 12.5"	1 each
81-1020BKT	Temple Touch Pro Bracket		1 each

* Reference Units are used to check the accuracy of the Temple Touch Pro system once every 2 years.



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