In complex cardiac ablation

Introducing the contact force sensing catheter fully integrated with the CARTO® 3 System Version 2

A new measure of success

Increase confidence for ablation using the THERMOCOOL® SMARTTOUCH™ Catheter

Innovative technology provides precise calculation of contact force and direction

Precision spring
Provides constant movement in response to contact force, enabling the precise calculation of force in grams

Transmitter coil
Sends location reference signal

Location sensor
Detects micro-movement of transmitter coil

Bi-Directional

Uni-Directional

Ordering #
Curve Type
French Size
# of Electrode Tip Electrodes Spacing (mm)
Temperature Length
Sensor

CR3434CT
Cable for THERMOCOOL® SMARTTOUCH™ Catheter, connector at catheter: 34 pin black; connector at Patient Interface Unit (PIU): 34 pin red

For healthcare professionals only. Not for US distribution. Please refer to the instructions for use accompanying each device before use.

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References:

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In complex cardiac ablation, outcomes may be affected by contact force

Major challenges faced by electrophysiologists today include:
- Improving procedure outcomes
- Maximizing procedure safety
- Reducing fluoroscopy exposure

The quality of catheter tip-to-tissue contact plays a critical role in lesion creation—yet the only measures available have been indirect:

**Tactile feedback**

**Fluoroscopy**

**Impedance**

**Electrogram**

Contact force can now be directly measured:
- Avoid excessive contact force
- Ensure adequate contact force
- Apply consistent contact force during mapping
- Monitor contact force during ablation

Integrated contact force and direction data are presented on the CARTO® 3 System™ display

Display provides a complete picture of contact force data in real time, enabling operator to map and ablate with greater confidence

- Force direction indicator
- Force display
- Tip display
- Force graph

Monitoring contact force may enable more effective, consistent application of RadioFrequency power

Along with power and application time, contact force is a primary factor in lesion formation.

Knowing the contact force potentially enables:
- Consistent lesion formation
- Reduced risk of steam pop and thrombus

**Equivalent lesion depth can be achieved with varying levels of contact force and power**

Ablate with greater control and confidence with real-time contact force feedback—the new measure of success in complex cardiac ablation