

At the end of the cryoablation procedure the temperature sensor should be removed from the tissue by carefully pulling it. The extraction should be done only after a passive thaw of a few minutes since the temperature sensor can be surrounded by ice. Removing it too quickly before thawing can damage the target tissue.



Before removing the temperature sensor from the tissue, make sure the freeze effect has been deactivated and the sensor can be easily withdrawn. Never use excessive force to extract the temperature sensor.



Figure 4: ProSense® cryoablation system

Potential Adverse Events and Contraindications

As the usage of the temperature sensor is associated to the cryoablation procedure, the potential Adverse events and contraindications are similar and thus, specified in the user manual of IceCure’s cryoablation system and the cryoprobe IFU.

Disassembling the temperature sensor

After using a temperature sensor, pull the gray part of the cable connector backwards to release it, and then pull the cable connector away from the front panel. Following each cryosurgical procedure, discard the single use devices (single-use cryoprobe, single-use temperature sensor, cryohandle cover, and sleeves for the flexible hose and touch screen).

All single use devices are considered to be medical waste and must be disposed of in accordance with medical waste laws and hospital standards. Sharp objects such as the temperature sensor must be disposed of in an adapted container.



Temperature sensors are single use and are supplied in a single use packaging. Never reuse a single-use temperature sensor. For each patient, ensure that the previously used single-use temperature sensor have been removed and discarded. Any used temperature sensor should be related as used sharp biohazard waste. Reprocessing a single use device could affect the mechanical or performance or microbiological properties of the product.

Temperature Sensor technical specifications

Ref number: FAT 8000000

Temperature range: -200° C to +100° C

Needle length: 170 ± 1 mm

Needle diameter: 2 ± 0.02 mm

Wire length: 200 ± 1 cm

Thermocouple wire type K

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