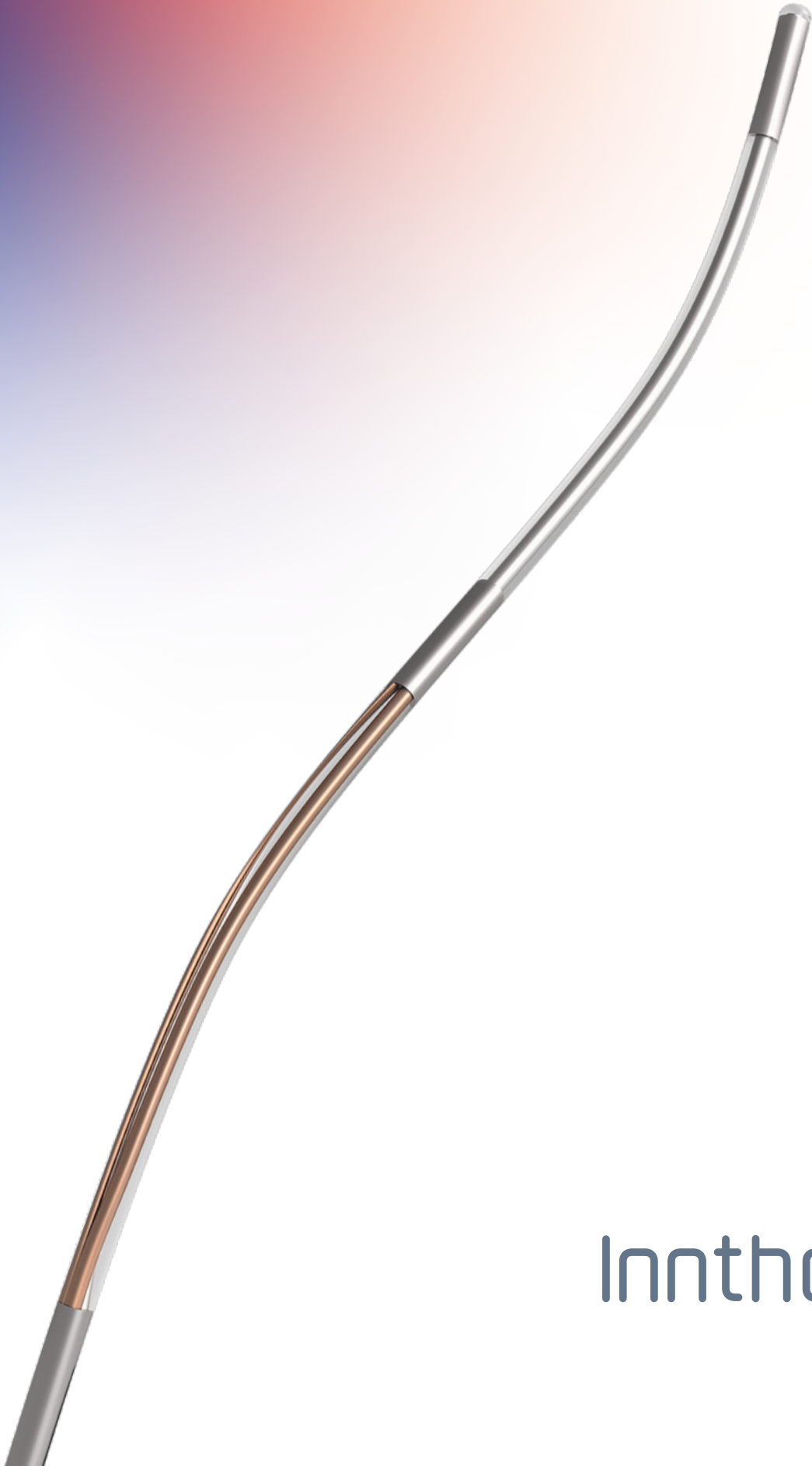


Innova
medical 



Inntherm[®]

The only method for direct measurement of cardiac shunts and hemodynamics of structural defects.

What does the Inntherm set consist of?

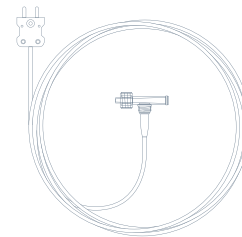
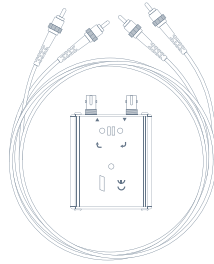
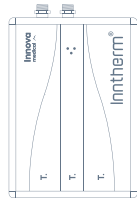
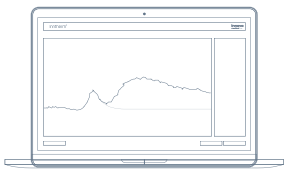
01 - Inntherm software

02 - Communication unit

03 - Converter with cables

04 - External T probe

05 - Intracardiac catheter



IM-NTB

IM-THsensor-001

IM-FOUSBCON

IM-FOCBL

IM - THSW - 001

Designed for navigation procedure hemodynamic calculations

PC Windows 7/8/10 compatible

13" - 15" laptop with installed Inntherm software

Designed for connection of thermolulution probes and computer

Set and computer are rechargeable

Connected to computer via converter size 14,4cm x 10cm x 4,5cm

Designed for connection of Inntherm kit and computer

Rechargeable battery power supply

Connection to computer via optical cable to USB converter

Size 3 cm x 13 cm x 20 cm

Designed for measuring input temperature

For application of saline solution With luer lock valve

Cu-CuNi thermocouple sensor

Use for patient measurements

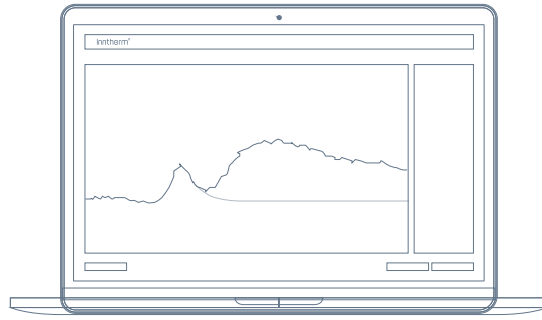
OD diameter 0.8 mm (2.4 Fr)

Compatible with 5 Fr guiding catheter (multipurpose)

Length 180 cm

Cu-CuNi thermocouple sensor

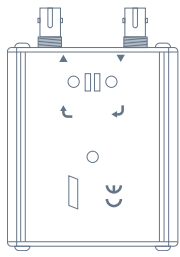
S-curvature of the distal part of the catheter



Inntherm software



IM-NTB

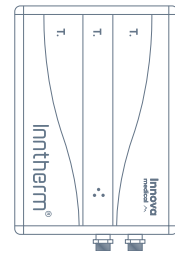


Converter

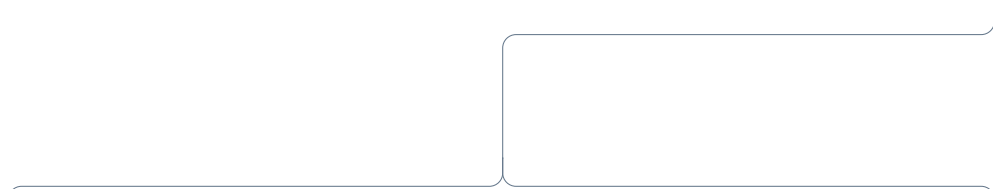
IM-THsensor-001



IM-FOUSBCON

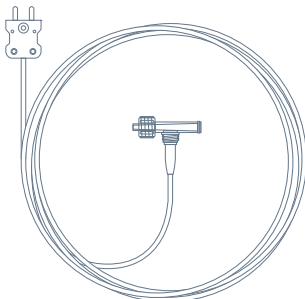


Communication unit



IM-FOCBL

IM-THSW-001



External T probe



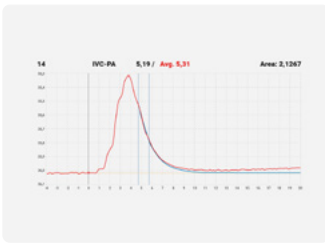
Intracardiac catheter

Example of Inntherm measurement results

Inntherm runs on its own software system which includes patient data, control settings and prompts to perform clinical procedures. It offers functions such as quality control of the measurements taken, their recall and evaluation.

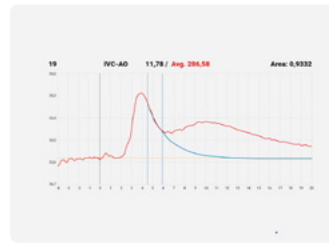
The system is designed to be self-contained. It works independently of hospital information systems mainly because of its highly specific output. The results can be printed or generated in pdf or other common formats.

01 - pulmonary flow measurement



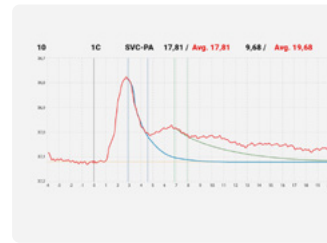
Example of the Inntherm measurement result. Lung flow measurement

02 - Right short circuit after Valsalva manoeuvre



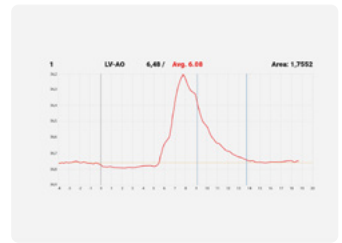
Example of Inntherm measurement result right-hand short circuit after Valsalva manoeuvre.

03 - Pulmonary flow with application



Demonstration of the Inntherm lung flow measurement with the application of the single curve method.

04 - System flow rate



Example of the Inntherm measurement result - system flow.

Clinical data

Endrys J, Stasek J, Bis J., Measurement of cardiac output, intracardiac shunts and valvular regurgitation using new thermodilution apparatus, EHJ, Volume 31, Issue suppl_1, 1 September 2010, Page 181

Endrys J: Invasive hemodynamic methods. Nucleus Hradec Kralove, 2005 (in Czech)

Bis J, Stasek J, Endrys J, Dostal J, Volrabova J, Novel diagnostic system for functional assessment of the severity of cardiac shunts in patients with severe pulmonary hypertension, Abstr. ECS 2018, Paris

Unpublished data based on clinical experience and practice

Inntherm is a 100% Czech designed system.
Using the thermodilution method, it provides safe
and accurate diagnostics of heart defects
and measurement of cardiac output.