



T-Stat 2.0

*When you need
2 be sure*

Advanced technology
allows for real-time tissue
perfusion feedback that is
both accurate and reliable.

info@spectros.com
www.spectros.com





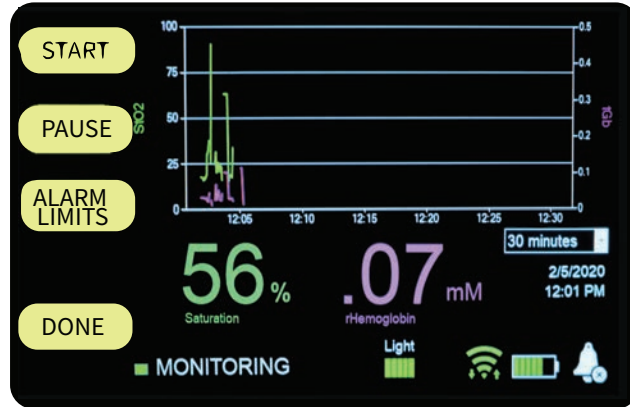
T-Stat for Reconstructive Free Flap Monitoring

“T-Stat’s ability to also monitor the flap’s hemoglobin concentration has helped me identify venous outflow issues way before any visible clinical changes, greatly speeding up return to the OR and maximizing the opportunity for flap salvage. Our flap success rate is almost 100%.”

Minas Chrysopoulo, MD, FACS

“T-Stat technology allows for continuous instead of episodic monitoring and is sensitive to venous congestion, both advantages over traditional hand held Doppler. Early detection of vascular compromise is one of the most critical factors in the success of free flap salvage.”

Jesse C. Selber, MD, MPH, FACS
MD Anderson Cancer Center



The technology driven sensitivity of T-Stat can detect the slightest of changes, giving you the earliest indicator of tissue saturation compromises - hours before other monitoring tools.

The T-stat continuously monitors tissue saturation (StO2%) at a micro-vascular level within the capillary bed, providing a better understanding of tissue health based on real-time oxygen delivery and consumption.

Real time tissue saturation and hemoglobin readings provide valuable data differentiating between venous and arterial compromise.

T-Stat provides assurance to you, your team, and your patients - when you need it most. Improve your standard of care today with T-Stat White Light Technology.



Features

TECHNOLOGY

T-stat is the most advanced tissue oximeter on the market. No other device uses broad band white light technology, coupled with fiber optic spectroscopy, producing data to +/- 2 standard deviations. This near absolute value provides an accurate representation of flap perfusion at the microvascular level. T-Stat readings represent immediate oxygen consumption in the skin island, directly correlating to arterial and venous flow.

Don't guess what the values mean, know what they mean so you can accurately manage your patients.


NON-INVASIVE

Skin surface sensors available in two sizes non-invasively monitor even the smallest of skin islands.

REMOTE ACCESS

T-Stat readings are always accessible using our web-based OnCall system. The data is safe, HIPAA compliant and is readily available to you within your own private account.

View immediate StO₂% and Hemoglobin readings in one easy location - quicker and easier than calling bedside staff.



The screenshot shows the OnCall 2.0 interface with a table of device data. The table has columns for T-Stat S/N, Nickname, Sx Site, Sat%, Hb, Updated, and a Remove button. The data rows are as follows:

T-Stat S/N	Nickname	Sx Site	Sat%	Hb	Updated	Remove
T2-0016	Nickname_02	R	61.3	0.07	407 min	Remove
T2-0085	Nickname_04	O	63.2	0.10	342 min	Remove
T2-0054	Nickname_03	O	62	.11	20338 min	Remove
T2-0025	Nickname_01		71	0.09	4502 min	Remove

OnCall 2.0

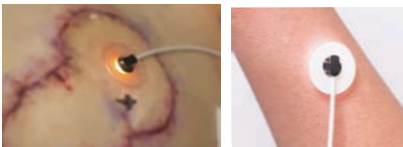
“T-Stat really is the gold standard.”

Richard A. Santucci, MD
FACS; Senior Surgeon
Crane Surgical Services

“T-Stat is a reliable method of flap monitoring that uniquely measures both oxygen saturation as well as hemoglobin levels, enabling differentiation between an arterial and a venous compromise. This device provides a dynamic assessment of flap perfusion, therefore improving microsurgery outcomes.

I have found it to be a very accurate method of flap monitoring and enjoy the ability to see the graph on my mobile phone, and nurses find the device to be user-friendly.”

Aldona J. Spiegel, MD
Houston Methodist Institute for
Reconstructive Surgery



2.5 Surface Sensor

"I think that T-Stat represents best in class technology for flap monitoring."

Galen S. Wachtman, MD
Austin, TX



T-Stat 2.0 monitor using the 2.5cm surface sensor

T-Stat 2.0

T-Stat 2.0 was built based on feedback from our existing surgeons. New features include:



BATTERY BACK UP

Using the most current and lightweight battery technology, T2.0 can now continue monitoring while the patient is being transferred or while ambulating.

Continuous monitoring ensures uninterrupted data transmission, reducing or eliminating the need for sensor disconnection.



MORE ROBUST

T 2.0 is stronger, better and faster.

The sleek, new design on the outside mirrors outstanding performance from the inside.



MORE ACCESS OPTIONS

The existing cellular USB module has been updated, adding alternative cellular options and offering the ability to connect to WiFi networks.

All options utilize state of the art technology – making OnCall's data visibility consistent and reliable.

