



sat 801 Δ

Dual Channel
Pulse Oximeter



Documentation

PC reporting software *satview* for easy and fast analysis and complete monitoring documentation.



Cost-effective solution, easy operation and clear illustration of patient compliance, monitoring periods, alarm events incl. database.

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Technical Specifications sat 801 Δ

Dimensions:	128 x 85 x 46 mm
Weight:	230 g incl. battery
Mains supply:	100 -230 V / 50 - 60 Hz
DC supply:	5 V
Battery autonomy:	18 hours
Recharging:	4 hrs 75% - 6 hrs 100 %
Operation:	+5°C – + 40°C
Storage:	-20°C – + 70°C
SpO ₂ technology:	Masimo SET [®]
SpO ₂ display range:	0 - 100 %
SpO ₂ accuracy:	70 - 100 %
no motion:	+/- 3 digits
motion, adults & pediatrics:	+/- 2 digits
motion, neonates:	+/- 3 digits
low perfusion, adults & peds:	+/- 2 digits
low perfusion, neonates:	+/- 3 digits
Pulse rate display range:	25 - 240 bpm
Pulse rate accuracy:	25 - 240 bpm
no motion:	+/- 3 digits
motion:	+/- 5 digits
low perfusion:	+/- 3 digits
Interface:	USB, external microSD
MDD classification:	Ila, CE 0197

Standard package contents:

sat 801 Δ	36-8002
Charger	36-5005
Instructions for use	

Accessories:

- LNC-1 adapter cable
- Masimo ReSposable sensor line
- Masimo LNCS sensor line
- Carrying case
- Table stand
- Mounting clamp

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The new sat 801 Δ

... introducing *Delta* Pulse Oximetry



„Because every baby
deserves a healthy start!“

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sat 801 Δ Δ Pulse Oximetry is special.

Made in Germany



Δ

Delta (Δ) is the fourth capital letter in the Greek alphabet. It is often used as a difference operator to describe change, because delta is the initial letter of the Greek word „diaphorá“, meaning „difference“.

What is Delta Pulse Oximetry?

Delta Pulse Oximetry is the unique method of obtaining simultaneous differential Masimo SET readings, derived by dual channel pulse oximetry at pre- and postductal spots. This special configuration is well suited for the easy implementation of the Screening Protocol for the systematic detection of Critical Congenital Heart Defects.

CCHD Screening

In the US, CCHD Screening is based on the recommendation of the U.S. Health & Human Services that outlined a strategy



for a Nationwide Newborn Screening Standard to improve detection of critical congenital heart defects. Also more and more in the rest of the world, this screening method becomes mandatory.

sat 801 Δ : Better Design

The sat 801 Δ has been specifically designed for the needs of Critical Congenital Heart Defect screening.

sat 801 Δ : Increased Accuracy

Combining the identical Gold Standard technology for simultaneous dual channel readings minimizes errors related to sequential readings and variations caused by different pulse oximetry technologies.

sat 801 Δ : Faster results

Intuitive operation and a clear color-coded presentation provides reliable screening results in seconds.

sat 801 Δ Δ Pulse Oximetry is simple.

Step 1

Preductal Spot (Right Hand)

Place sensor on the outer lateral aspect of the right hand.

Step 2

Postductal Spot (Left or Right Foot)

Place sensor on the outer lateral aspect of either foot.

Step 3

Obtain all three Readings at a time

Record both SpO₂ - and the DELTA readings.

Step 4

Assessment

NEGATIVE Screen (Pass):

SpO₂ \geq 95% in hand or foot
AND DELTA (hand-foot difference) \leq 3%.

POSITIVE CCHD Screening Test Result:

SpO₂ < 90% in hand OR foot,
OR

3 repeated positive screens (SpO₂ 90-94% in the hand AND foot
OR hand-foot absolute difference is > 3%)



Step 1



Step 2



Step 3

Reusable + Disposable = ReSposable

Two-piece design includes a reusable AND a disposable sensor



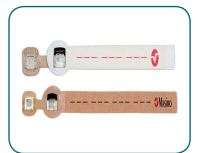
LNC-1

connects to the sat 801 Δ



Reusable sensors

offer cost-effectiveness and environmental advantages



Disposable sensors

have the best performance, greatest ease of use and most comfort