

EP-TRACER[®] 2 HBP

The portable electrophysiological measurement system to support His Bundle Pacing implantations

**schwarzer
cardiotek**
SMART. PRECISE. RELIABLE.



EP-TRACER 2 simplifies HBP

The electrophysiological measurement system is perfectly suited to support His Bundle Pacer implantations. The EP-TRACER 2* with its fully-integrated stimulator can be used for clinical EP studies and to assist the programmer unit while the clinician is

implanting a pacemaker. With the EP-TRACER 2 HBP the morphology of the 12 channel ECG can be displayed during stimulation.

* EP-TRACER with new software version 2.2

EP-TRACER 2 HBP features

Amplifier

The EP-TRACER 2 HBP amplifier offers signal processing of 2 intracardiac channels and 3 auxiliary channels. A 12 lead surface ECG as well as His signals can be displayed at the same time.

Integrated Stimulator

The EP-TRACER 2 is equipped with a built-in 2-channel stimulator. Thus stimulations can be done without any external wiring or additional equipment.

Smart Keyboard

The Smart Keyboard offers an intuitive user interface to support a streamlined workflow, combining the benefits of a digital display with the haptic feedback of a traditional keyboard. Customized stimulation protocols can be accessed via the Smart Keyboard in a short time. Additionally annotations are supported by the Smart Keyboard.

Software

The advantages:

- The EP-TRACER 2 software has an intuitive interface that supports your requirements at every stage of the procedure.
- Visible at one glance: 12 channel ECG and His signals
- The screen can be split as a comfortable way to overlay consecutive beats. Furthermore the trigger mode can be used.
- The excellent, noiseless signal amplification allows a better visualization of the His signals.
- Measurements can be performed.

EP-TRACER® 2 HBP

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Components

- EP-TRACER 2 HBP
 - Laptop (Windows 10 IoT, 64bit)
- Software EP-TRACER 2
 - Recording software
 - Instruction manual (on a CD)
 - Dongle license key
- EP-amplifier
 - 2 intracardiac channels
 - 12 surface ECG channels
 - 3 auxiliary channels
 - Integrated stimulator with 2 outputs
 - Allows custom stimulation via intracardiac channels without external wiring
 - Input mode: bipolar or unipolar
- Smart Keyboard
- Power-box, 100-240 V
- Cabling
 - ECG cable with electrodes

Smart Keyboard



- 4.3 inch LCD display
- 15 transparent keys with full haptic feedback
- configurable key assignment*

*Note: editing of the digital layers may only be performed by Schwarzer Cardiotek personnel or an approved affiliate.

Technical details

Medical device directive (93/42/EEC):	Class IIb
EP-TRACER 2	
Intracardiac channels	2
Sampling rate	1 kHz per channel
Catheter connection	Input modes: bipolar and unipolar
12 ECG channels	Leads I, II, III, aVL, aVR, aVF V1-V6 Standard: DIN DB15 Calibration equivalent to 1 mV
Additional channels	3 AUX channels Connections: 3 × 9 pin REDEL Input mode: bipolar
Current leakage	< 50 µA
Back-up stimulation mode	60 beats per min at Out1-Out2 simultaneously; current = 8 mA (Out1), current = 4 mA (Out2), pulse width = 2 msec
Stimulator	Current 0 – 25.5mA (customizable) Minimum increment 0.1 mA Maximum output-voltage: 20 V
Analog/digital converter	Resolution: 12 bit (20 bit dynamic) Bit weight: 1.25 µV/ LSB
Computer operating system	Windows 10 IoT, 64bit
Applicable standards	EN 60601-1: 2006 + A1:2013 EN 60601-1-2: 2015 EN 60601-1-6: 2010 EN 60601-2-27: 2014 EN 60601-2-34: 2014 EN 62366: 2015 EN 62304: 2006
Patient safety	Safety class I ; type CF according to EN 60601-1; Patient connections protected against the effects of defibrillation impulses
Dimensions (h × w × t)	
Portable system in an aluminium suitcase	150 × 460 × 370 mm
EP-TRACER 38	60 × 280 × 270 mm
Weight	
Portable system in aluminium suitcase	ca. 8 kg
EP-TRACER 38	ca. 2.2 kg
Labelling	only for EP-TRACER 38 medical device
	CE 0197

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