

## PRÉCISE 8001

*For the quick transcutaneous measurement  
of oxygen partial pressure*





# PRÉCISE 8001

The compact complete system – safe and precise

## FOR EVERYDAY USE

The Précise 8001 allows for quick and precise measurement of tcpO<sub>2</sub>. Due to the 2.5 m long sensor cable – equipped with integrated sensor – an enormous working radius is available. The large LCD display ensures all relevant data is easily read.

## INNOVATIVE

The unbeatable advantage of applied sensor technology is that it does not wear. What is particularly user-friendly is the optical oxygen sensor, as it must not be pre-heated for the application.

## TIME-SAVING

It couldn't be any easier – the additional cleaning of electrodes is no longer required due to the optical method of measurement. Furthermore, changing of the electrolyte and membrane is not necessary.



Ideal and easy to use – the complete fixtures are integrated into the Précise 8001.

## EASY TO USE

With the easy to use Touch Control panel, you can effortlessly access all menu items, from the status display, language selection, sensor parameter and graphic evaluation, to display options. The operation is intuitive and opens up virtually by itself. All menu navigation options are explained in detail in the user manual.



Switch on the device. Easy to use due to the intuitive Touch Control panel.

## FIVE STEPS

- Switch on the device
- Sterilise the section of skin and, if necessary, remove the hair
- Fix the oxygen sensor with a double sided adhesive ring to a drop of contact fluid onto the skin
- Start operation (to begin with, the skin is now warmed)
- After approx. 8 minutes, the oxygen partial pressure can be read

## SOPHISTICATED HARDWARE

- Innovative methods of measurement based on fluorescence
- Graphical representation of measurement on a large display
- Precise measurement, quick and easy
- Automatic adjustment to the atmospheric pressure
- Clear menu navigation and practical operation with Touch Control panel

# A solution

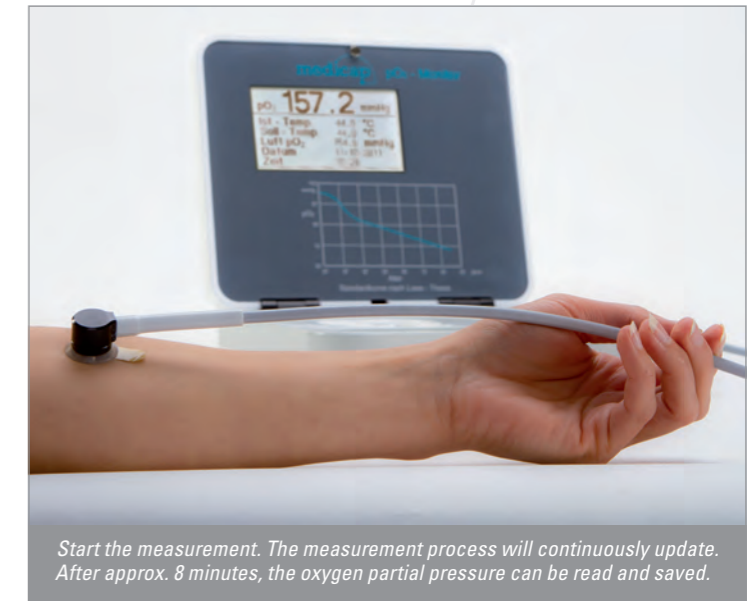
with many advantages – for successful application

## CLEVER SENSOR TECHNOLOGY

- Simple and quick measurement preparation
- Lower demand and consumption of measurement media
- No covering of the sensor with membrane
- No fiddly handling of electrolyte fluid
- No pre-heating necessary
- Measurement independent from pH value and salt content of the skin
- Less maintenance required compared with classic sensors
- No cleaning of anodes/cathodes necessary



The oxygen sensor is fixed with a double sided adhesive ring to a drop of contact fluid onto the skin.



Start the measurement. The measurement process will continuously update. After approx. 8 minutes, the oxygen partial pressure can be read and saved.



## AREAS OF APPLICATION

- Therapy control
- Efficacy screening
- Wound healing process
- Basic angiological diagnostics
- Confirmation of diagnosis and blood gas monitoring
- Venous insufficiency and ischemia
- Oxygen therapy
- Diabetes and arterial occlusive disease

The Précise 8001 is no bigger than a laptop – handy and space-saving.

# PRÉCISE 8001

For the quick transcutaneous measurement  
of oxygen partial pressure



802.214



802.203



802.201

## TECHNICAL DATA

Device	
Dimensions (closed):	245 mm x 245 mm x 55 mm
Dimensions (open):	245 mm x 255 mm x 240 mm
Weight:	approx. 1,920 g
Power supply:	100 to 240 VAC ± 10 %
	50 to 60 Hz
Current rating:	400 mA
Operating temperature:	+15 °C to +35 °C
Menu navigation:	Touch Control panel

Sensor	
Measuring principle:	photo-optical
Parameter:	tcp $O_2$
Units:	mmHg
Measurement range:	0 to 165 mmHg
Sensor temperature:	+37 °C to +44 °C
Full operating status:	directly after start-up
Cable length of the sensor:	250 cm

Display	
Display:	LCD
Size:	11.5 cm x 6.5 cm
Measurement result:	After approx. 8 min.
Results:	graphic (measurement process) and numerical (reading)

Fixtures and spare parts	
AC plug-in adapter, 12V /1.25A:	802.201
Contact fluid 15 ml/bottle:	802.203
Adhesive rings:	802.214
Instruction manual Précise 8001:	801.208

