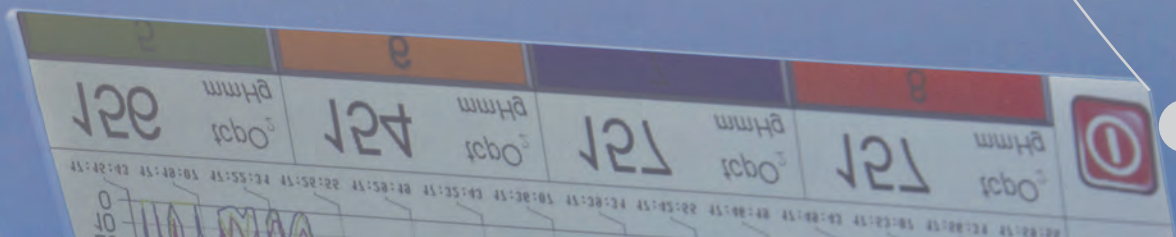


## PRÉCISE 8008

For the quick transcutaneous measurement  
of oxygen partial pressure





## PRÉCISE 8008

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### FOR EVERYDAY USE

With the Précise 8008, you can carry out up to 8 measurements at the same time and read all relevant data on the large display. The measurements can be displayed numerically and graphically. The sensor parameters, the measurement process, as well as the measurement results can be saved onto an SD card. Therefore, you can reliably document every measurement and process them at any time externally on a PC. The sensors are suited both for the determination as well as monitoring of oxygen partial pressure, as they are also applicable for long-term measurements. The modern microelectronics feature most notably outstanding and efficient sensor technology. The striking usage advantages are high precision, low expenditure of time and reliable operation.



Simple and intuitive operation.

### INNOVATIVE

An unbeatable advantage of the applied sensor technology is that it does not wear. The optical oxygen sensor must not be pre-heated.

### TIME-SAVING

The optical measuring process renders the cleaning of the electrodes, as well as the changing of the electrolyte and membrane unnecessary.

### EASY TO USE

With the large LCD Touchscreen display, you can effortlessly access all menu items with a touch of a finger, 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.

### SIX 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
- Save documentation

### SOPHISTICATED HARDWARE

- Innovative methods of measurement based on fluorescence
- Simultaneous measurement with up to 8 sensors
- 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 the Touch operating buttons
- Integrated memory card enables external variable processing of measurement data
- Optional network connection enables the external, direct access to measurement data



Simple attachment of the sensors

## A solution

with many advantages – for successful application

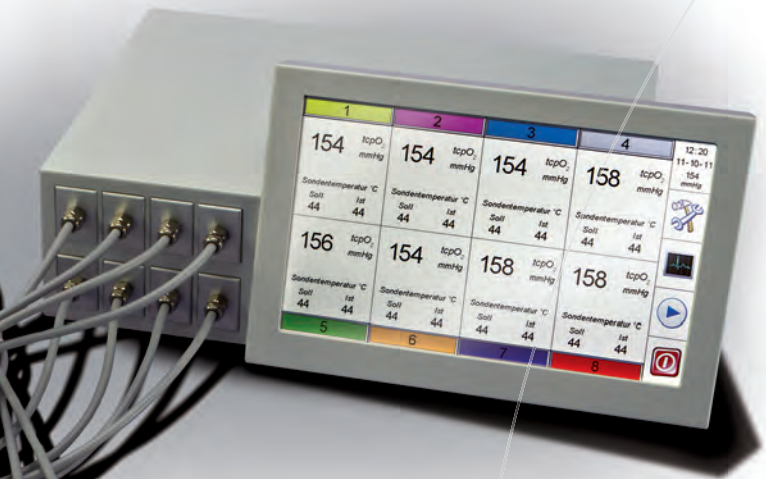
### CLEVER SENSOR TECHNOLOGY

- 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
- No cleaning of anodes/cathodes necessary
- Less maintenance required compared to classic sensors



### MONITORING FUNCTION WITHOUT TAKING BLOOD

- The oxygen sensor is fixed directly onto the skin, and by doing so, the rate of circulation to the area of the skin will be increased thermally by the integrated heating system up to max. 44 °C. The measurement result can be read after the increased rate of circulation time of approx. 8 minutes.



A large advantage of the Précise 8008 is in the continuous display of the measurement, so changes during the oxygen application can be immediately recognised. In addition, the measurement data can be saved and externally evaluated.



Really easy to save the data on to the SD

### AREAS OF APPLICATION

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



Simple entering of all parameters.

# PRÉCISE 8008

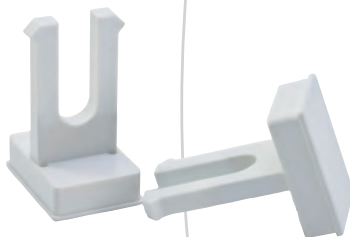
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802.213



802.214



802.209



802.203



808.201

## TECHNICAL DATA

Device	
Dimensions:	400 mm x 250 mm x 170 mm
Weight:	3,920 g
Power supply:	100 to 230 VAC ± 10 %
Max. power consumption:	60 W
Current rating:	ca. 1.5 A
Operating temperature:	+15 °C to +35 °C
Menu navigation:	Touchscreen menu navigation

Sensor	
Measuring principle:	photo-optical
Parameter:	tcpO <sub>2</sub>
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 Touchscreen display
Size:	13 cm x 22 cm
Measurement result:	after approx. 8 min.
Results:	graphic (measurement process) and numerical (reading)

Fixtures and spare parts	
AC plug-in adapter, 12V /5.5 A:	808.201
O <sub>2</sub> sensor:	802.213
Contact fluid 15 ml/bottle:	802.203
Adhesive rings:	802.214
Protective cap for sensor insertion:	802.209
Maintenance charge O <sub>2</sub> sensor:	802.217
Instruction manual Précise 8008:	808.208

