

# OXY-50 HANDHELD PULSE OXIMETER

CE 0476

FDA

K090671

- 35100 OXY-50 PULSE OXIMETER - with software
- 35103 OXY-50 BLUETOOTH PULSE OXIMETER - with software

Pocket fingertip pulse oximeter with colour display for routine check and continuous monitoring use.

- display: 1.77" colour TFT
- resolution: 160x128
- alarm sound, pulse tone
- record: data can be recorded up to 24 hours
- alarm: adjustable high and low limits
- PC software for transferring real time data

GIMA code	ACCESSORIES OXY-50
35105	Adult probe >40 kg - reusable - spare
35106	Pediatric probe 10-40 kg - reusable
35107	Neonatal probe 3-10 kg - reusable
35109	Adult and neonatal probe* - disposable - 70 cm cable
35108	Extension cable 2 m necessary for 35107, 35109

\*Suitable for adult over 40 kg (finger) or neonate less than 3 kg (foot)

35106



Pediatric probe - reusable

35107



Neonatal probe - reusable

Extension cable (necessary for 35107, 35109)



35108

Adult, neonatal probe - disposable



35109

ALSO AVAILABLE WITH BLUETOOTH

## TECHNICAL SPECIFICATIONS

**Display mode (TFT display)**  
 SpO<sub>2</sub>: 2 digits  
 Pulse rate (PR): 3 digits  
 Pulse intensity: bar-graph  
**Pulse rate**  
 Measuring range: 30 ~ 250bpm  
 Resolution: 1 bpm  
 Accuracy: ±2bpm or ±2%  
 Average pulse rate: Moving calculate the average pulse rate every 4 cardio-beat's cycle. Deviation between average value and true value does not exceed 1%  
 Pulse intensity range: Continuous bar-graph display, the higher display indicates the stronger pulse

**SpO<sub>2</sub>**  
 Measuring range: 0~100%, (resolution 1%)  
 Accuracy: 70~100%: ±2%  
 Average value: Calculate the average value every 4 measure value  
 Deviation between average value and true value does not exceed 1%  
**Power supply:**  
 DC 3V, < 100 MA  
**Battery:**  
 dry battery (2AA)  
**Oxymeter probe:**  
 wavelength: 660 - 905 nm  
**Dimension:**  
 110(L)x60(W)x23(H) mm  
**Weight:**  
 about 120g (with dry battery 2AA)  
**Safe type:**  
 BF Type



35100  
 Supplied with one adult probe, 2 AA batteries, USB cable, PC software (GB, FR, IT, ES, DE, RU, PL) and user manual (GB, FR, IT, ES)

# OXY-100 HAND-HELD PULSE OXIMETER

- 34342 OXY-100 PULSE OXIMETER

Compact pulse oximeter for hospital and rescue applications to monitor SpO<sub>2</sub> pulse rate, pulse strength and perfusion index (PI). SpO<sub>2</sub> can be displayed in numbers with bar-graph of pulse as well as full display of plethysmogram.

Includes adult SpO<sub>2</sub> sensor and extension cable.

**Features:**

- high accuracy and repeatability
- visual and audible alarm, with adjustable limits
- 384-hours data storage and review (recording every 1/2/4/8 sec.)

- automatic power-off
- Manual: GB, FR, IT, ES, PT.

• 34344 SOFTWARE

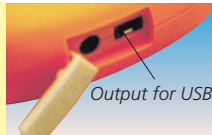
This software allows to download and store all measurements on a PC through USB port.

- 34345 ADULT SpO<sub>2</sub> CLIP PROBE - reusable - spare
  - 34351 ADULT SpO<sub>2</sub> RUBBER PROBE - reusable
  - 34347 PEDIATRIC SpO<sub>2</sub> PROBE - reusable
  - 34348 EXTENSION CABLE - spare for 34345-34347-34349-34351 - 1 m
  - 34349 NEONATAL SpO<sub>2</sub> Y-TYPE PROBE - reusable
- All probes with cable 0.9 m

3 ways switchable display to show: numbers, number and waveform, waveform

Battery status display

TECHNICAL SPECIFICATIONS	
<b>Operating mode:</b>	continuous operation
<b>Display Mode:</b>	Colour LCD
<b>SpO<sub>2</sub></b>	
<b>Measuring range:</b>	35~100%
<b>Accuracy:</b>	Not greater than 3% for SpO <sub>2</sub> range from 70% to 100%
<b>Transducer:</b>	dual-wavelength LED sensor with red light: 663 nm, Infrared light: 890 nm
<b>Pulse Rate</b>	
<b>Measuring range:</b>	30~240 bpm
<b>Accuracy:</b>	±2 bpm or ±2% (whichever is greater)
<b>Over-limit setting range:</b>	25~250 bpm
<b>Default setting limit:</b>	High 120 bpm, Low 50 bpm
<b>Perfusion Index Display Range:</b>	0.2%~20%
<b>Range alarm setting:</b>	SpO <sub>2</sub> lower limit: 50% SpO <sub>2</sub> upper limit: 99% pulse rate upper limit: 100-240 bpm pulse rate lower limit: 30-99 bpm
<b>Data Update</b>	8 beats moving average for both SpO <sub>2</sub> and pulse rate readings.
<b>Power Supply:</b>	d.c. 4.5V(3 AA alkaline batteries)
<b>Dimensions:</b>	145x74x29 mm - 210g (including batteries)
<b>Classification</b>	
<b>Type of protection against electric shock:</b>	Type BF applied parts.
<b>Degree of protection against liquids:</b>	IP22.



High resolution LCD display, backlight to display SpO<sub>2</sub>, PR, Pulse Bar, PI, and Plethysmogram

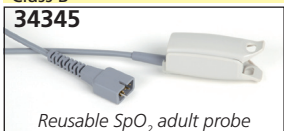


34342



Portable and lightweight

CE 0476



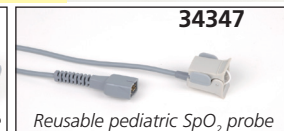
34345

Reusable SpO<sub>2</sub> adult probe



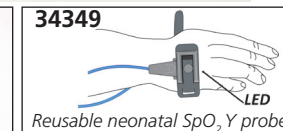
34351

Reusable SpO<sub>2</sub> adult rubber probe



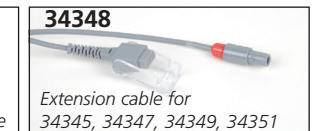
34347

Reusable pediatric SpO<sub>2</sub> probe



34349

Reusable neonatal SpO<sub>2</sub> Y probe



34348

Extension cable for 34345, 34347, 34349, 34351