

PULSE OXIMETER



EMCO oxi-sat 610Z with Perfusion Index (PI)



- Manufactured using Oximeter technology from ZugMed® Medical Systems, France
- Provides fast & reliable SpO₂ and Pulse rate measurements on any patient, from neonates to adults
- Bright, easy-to read LED displays indicate SpO₂ and Pulse rate measurements
- **Display of Perfusion Index (PI)**
- User Selectable High & Low Alarm limits for all parameters
- 8 segment bargraph indicates pulse strength
- Sensor Alarm indicates that the sensor has been disconnected either from patient or from oximeter
- Pulse Beep is sounded for every detected pulse, with the tone varying according to SpO₂ value
- **3 colour Perfusion LED** - Green (good perfusion), Orange (marginal perfusion) & Red (inadequate perfusion)
- Built-In Rechargeable Battery with battery back up of more than 8 hours
- Audible & Visual Low battery indication when 15 minutes remaining
- Ideally suited for Spot Checking, during emergency air or land transport, Operation Theatres, ICU, Outpatient clinics or Emergency rooms
- Wide range of sensors available - Adult, Pediatric, Neonate

Emco Meditek, an ISO9001 & ISO13485 certified company, was formed in the year 1989 with the main objective of manufacturing and marketing of Electronic Medical Equipment.

The equipment are designed and manufactured indigenously with the assistance of technology obtained from leading Medical Equipment manufacturing companies around the world especially USA, France & UK.



EMCO MEDITEK® PVT. LTD.

An ISO9001 & ISO13485 Certified Company



The EMCO oxi-sat 610Z is a compact & portable Hand Held Pulse Oximeter with Alarms, Memory and Rechargeable Battery. Incorporates all the features used in Oximetry. Independently designed and manufactured with technical assistance from ZugMed® Medical Systems, France

EMCO REUSABLE SENSORS



Adult Finger Sensor



Pediatric Finger Sensor



Neonate Wrap Sensor

Technical Specifications

Displays, Indicators & Keys

LED Display 0.4"	SpO ₂ , Pulse Rate/Perfusion Index (PI)
3 colour LED 5mm	Perfusion Status
Red LED 3mm	Charging
Keys	On/Off, Select/PI, Alarm/Down, Beep/Up

SpO₂ Specifications

Range	0 to 99%
Accuracy	±2 digits at 70-99%
Averaging	8 beat - automatic
Sensors	Adult Finger, Pediatric & Neonate Wrap Sensor (All 1m Sensors - supplied with Extension Cable 2m)

Pulse

Range	18 to 250 bpm
Accuracy	±3% ±1 digit
Averaging	8 beat - automatic

Perfusion Index (PI)

Range	0 to 20
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Pulse Beep

Pulse Beep	Tone changes with SpO ₂ value
Beep Volume	Beep On & Beep Off

Alarms

Sensor Disconnected, Limit Violations, Low Battery

Alarm Silence

2 minutes & Permanent silence

Alarm Ranges

	High	Low	
SpO ₂	1 to 99% & OFF	0 to 99%	(in 1% steps)
Pulse	5 to 250 bpm	0 to 245 bpm	(in 5 bpm steps)

Power Requirements

Battery	Rechargeable Built-in NiMh 2800mAh
Charging Time	16 hours (for fully charged battery)
Battery Life	8 hours (full charged)
AC Mains Charger	Input : 230 Vac, 50 Hz, Output : 9Vdc, 1A

Dimensions

Width	Height	Depth	Weight
3.30"	7.00"	1.75"	335 gms
(84mm)	(178mm)	(44mm)	(0.75 lbs)

Environmental Specifications

Operating Temperature	0 to 45 deg. C
Storage Temperature	-20 to 70 deg.C
Relative Humidity	10 to 90% Non-condensing (operating) 10 to 95% Non-condensing (storage)

Classification as per IEC 60601-1

Type of Protection :	Class II
Degree of Protection :	Type BF - Applied Part
Mode of Operation :	Continuous

Degree of Ingress Protection : IPX1

ZUG®

MEDICAL SYSTEMS

Specifications subject to change without prior notice.



At the heart of
healthcare

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