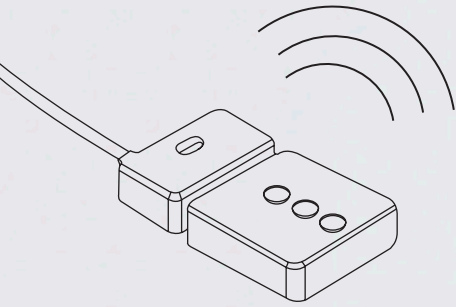


PortaLite Mini

A portable cerebral oxygenation monitoring device.



Main applications are found in:

- Brain oxygenation monitoring
- Pediatric studies
- Neonatal research
- Sports science
- Functional studies
- Cerebral studies



1 channel to measure absolute oxygenated hemoglobin percentage, 3 channels to measure relative concentrations.



Measures oxy-, deoxy-, and total hemoglobin concentration changes.



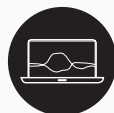
PortaLite Mini sensor is especially designed for pediatric studies and neonatal research.



Utilising the non-invasive NIRS technique.



Perform real-time measurements using bluetooth or offline measurements using the board data collection.



Analyse your data with our superior analysis software; Oxysoft.

Interested?

contact us at:

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References to wireless NIRS

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Technical Specifications

| | |
|------------------|--|
| TECHNOLOGY | Continious wave near infrared spectroscopy using modified lambert-beer law. |
| MEASURES | Oxy-deoxy, total hemoglobin and tissue saturation. |
| INDICATIONS | Battery status, bluetooth connection |
| SOFTWARE | Data analysis software; Oxysoft |
| OPERATING SYSTEM | Windows 7, 8 ,10 |
| LIGHT SOURCE | Light emitting diodes: 3x2 wavelengths |
| CHANNELS | 1 channel to measure absolute oxygenated hemoglobin percentage, 3 channels to measure relative concentrations. |
| WAVELENGTHS | Standard nominal 760 and 850 nm, others possible. |
| EVENTS | Insert online and offline events. |
| DETECTORS | Photo diode with ambient light protection. |
| OPTODE DISTANCE | The PortaLite Mini uses 1 receiver and three transmitters, 16, 21 and 26 mm from the receiver. |
| POWER | Up to 8 hours with one interchangeable and rechargeable battery - upgradable up to 16 hours. |
| TOTAL WEIGHT | 80 grams including battery. |
| SIZE | Probe: 40, 20, 5 mm. Wire: 1.3 m. Battery housing 84X54X20 mm. |
| ENVIRONMENT | Operating temperature: ~ 10-35 °c |
| INTERFERENCE | No interference with EEG, ECG or EMG. |
| ACCESSORIES | The PortaLite can be combined with the PortaSync. |

| | |
|-------------------------|--|
| NIRS + OTHER MODALITIES | We deliver the following packages: PortaLite + TMSI EMG package (2 channels or more). PortaLite + TMSI EEG package (16 channels or more). PortaLite + Tobii Eyetracker. |
|-------------------------|--|



Quotation?
contact us at:
askforinfo@artinis.com

PortaLite Mini research package
What's in the box?

1x PortaLite Mini
1x strong and sturdy (micro) Pelicase
1x License key
1x Bluetooth dongle
Oxysoft, data analysis software

Batteries and charger
Stickers and bandages
Dark cloth/bandana
Laptop
User Guide