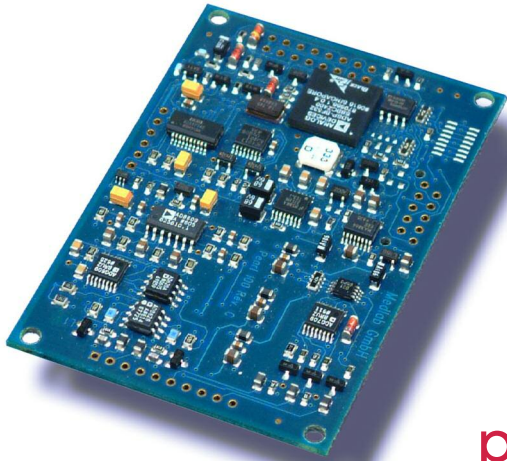


# PEARL100\*

## Pulse Oximeter OEM Board



# SpO<sub>2</sub>

[oem.medlab-gmbh.de](http://oem.medlab-gmbh.de)

- Advanced signal processor technology with fourth generation algorithm and artefact suppression, recommended for neonates, infants and adults
- Small size ( 77 x 53 mm ), maximum height 6 mm
- Lock-in based signal recovery down to a pulsation of 0.05% ( AC/ DC ratio )
- Ultra low noise design for highest performance on centralized patients
- Greatly improved suppression of ambient light and electromagnetic disturbances
- Easily integrateable into handheld and desktop devices
- Single power supply ( 2.5-5.5 V DC ), 100 mW (@ 3.3V)
- RS232 and TTL level serial asynchronous interface
- Transmission of SpO<sub>2</sub> , pulse rate, plethysmographic waveform, perfusion index, "quality" –signal and status information
- High flexibility in interface protocols
- Measurement of pulse rate between 30 – 250 bpm
- Measurement of oxygen saturation between 0 and 100 %
- Complete line of probes available
- Complies with ISO 9919:2005



# medlab

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\* Pulse Enhancement Artefact Rejection Logic  
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