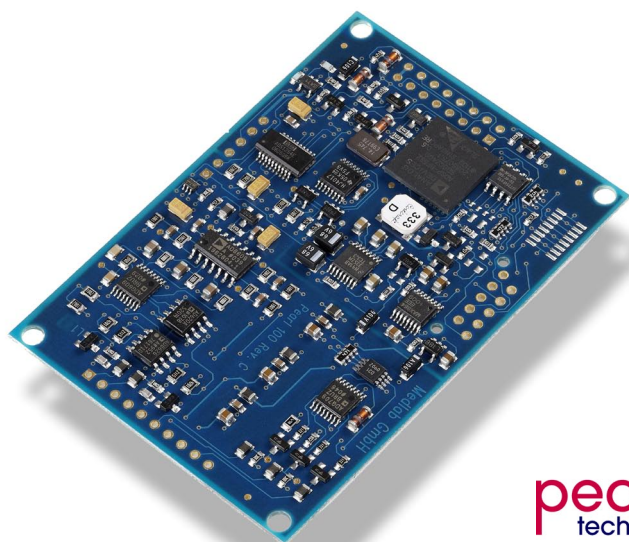


PEARL100*

Pulse Oximeter OEM Board



SpO₂

oem.medlab.eu

- 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 disturbances caused by ambient light and electromagnetic interference
- Easily integrated into handheld and desktop devices
- Single power supply (3.3 – 5.5 V DC), < 100 mW for average finger thickness (20 – 40mA, depending on LED brightness, adapts to finger properties)
- RS232 and TTL level serial asynchronous interface
- Transmission of SpO₂, pulse rate, plethysmographic waveform, perfusion index, "quality"-signal, and status information
- High flexibility in interface protocols
- Measurement of pulse rate between 30 and 250 bpm
- Measurement of oxygen saturation between 0 and 100 %
- Complete line of probes available
- Complies with applicable clauses of ISO 9919 and ISO 80601-2-61



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* Pulse Enhancement Artefact Rejection Logic
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