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BAT100

Pulse Oximetry module

Biotrend SAT technology

Biotrend joins the noninvasive concepts of conventional pulse oximetry by state of the art electronic technology and high speed digital signal processing.

The signal to noise ratio is maximized. The real pulse energy signal is extracted from background noise resulting in reliable measurements even in a very low perfusion environment.

The BAT 100 oem oximetry module provides the best way to incorporate pulse oximetry to a medical device.

Biotrend provides a USB evaluation kit in order to test the board performance previous to system integration.

(*) 1:1 scale.

Low cost and high performance

Advanced 32 Bits processor technology

Reliable measurements with very low perfusion

Ultra low noise design

Ultra small footprint (26 x 18 mm)

Convenient LGA package for automatic assembly machine

Easily integrateable into any size of portable or desktop devices

Very low power and single supply (3,3 V DC)

Transmission of SpO2, pulse rate, plethysmographic waveform, status information and perfusion index

Measurement of pulse rate between 30 to 254 bpm

Measurement of spo2 between 0 to 100 %.

Complete line of sensors available

Clinical validation data available to support certification and registrations of the final monitor