



UWB MONITORING

Non-contact UWB
breath and heart rate monitor

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Description:

Device for breath and heart rate monitoring without contact, keeping user comfort without attaching cables, belts or finger clamps.

Sectors:

- > Healthcare
- > Safety

Potential applications:

- > Hospital and home health care
- > Non-contact breath monitoring for babies and burned patients
- > Sleep apnoea diagnosis and control
- > Sleep quality assessment
- > Agitation measurement
- > Driver sleepiness detection

Technical details:

- > Impulse Radio Ultra Wide Band (UWB) technology
- > Low power, intrinsically safe 3 - 5 GHz signal, no interference with WiFi, Bluetooth, etc.
- > Measuring distance: adjustable, typically from 1 to 2 meters
- > Breath rate precision: +/- 2 breaths/minute
- > Measurement update rate: adjustable, typically 4/minute
- > Measuring through clothing, wood, plaster
- > Numerical and graphical waveform results (both in real-time and recorded)

