MEASURING BLOOD OXYGENATION LEVELS NON-INVASIVELY WITH LEAD FRAME (SpO2) AND SURFACE MOUNTED TECHNOLOGY

The right sensor technology can mean the difference between life or death. With proven accuracy and reliability, and now improved performance with no manual soldering, TE offers superior sensors for your critical applications.

Top 3 Benefits of TE Connectivity’s (TE) Lead Frame (SpO2) and Surface Mounted Technology (SMT) optical components.

1. Superb Accuracy
Precise oxygen level detection is essential in acute medical situations. Experience improved accuracy with tighter red LED wavelength tolerance up to 660 nm ± 3 nm.

2. Proven Reliability
As leading industry experts with nearly three decades of experience and more than 25 million components produced, TE delivers reliable technology of the highest calibre.

3. Rapid Response
Low oxygen levels can become a matter of life or death. TE’s lead frame and SMT optical components provide the swift detection your patients need.

IMPROVED SMT TECHNOLOGY

TE’s SMT Optical Sensor provides increased reliability by removing manual hand-soldering operations. It can be conveniently installed using cost-effective automated equipment, resulting in decreased labor and expense, and increased installation accuracy.

APPLICATIONS

- Pulse Oximetry
- SpO2 Finger/Ear Reusable Probes
- SpO2 Disposable Strip or Butterfly Probes
- Proprietary emitters with two different LED wavelengths: 880 nm or 910 nm
- Dual drive emitters with two different LED wavelengths (both Red and Infrared)
- Scalable, automated manufacturing to fulfill all volume requests
- The ability to produce reusable and disposable pulse oximetry sensors

IN OXYGEN LEVEL DETECTION

Featureing High Efficiency, Fast Response, and Leading Accuracy.

Contact TE Connectivity today or learn more at te.com