

Criticare Systems Releases Next Generation CO₂/N₂O Gas Bench

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Criticare Systems, a wholly owned subsidiary of Opto Circuits (India) Ltd., today released its next-gen CO₂/N₂O module. The module is a compact version of the proven Criticare Systems Poet® series CO₂ detection technology, which, using non-dispersive infrared technology, will measure inspired and expired CO₂ and N₂O gases.

Criticare Systems' CO₂/N₂O module will have the following new features:

1. Reduced module size
2. Increased environmental operation range
3. Increased respiration accuracy at low 50mL flow
4. Increased CO₂ monitoring range
5. Lower power consumption

The CO₂/N₂O module will communicate with the host, using a proprietary protocol developed by Criticare known as "CUSP/EPIC." The CUSP protocol guarantees messages transfer from one device to the other cleanly with no electrical noise.

This next generation technology module will be leveraged both in Criticare's next generation eVision™ modular patient monitors as well through sales to the large base of OEM customers.

"This truly next generation and low-power module will greatly enhance our competitiveness in the gas monitoring space and has been eagerly awaited by our key OEM customers", stated Vinod Ramnani, Chairman and Managing Director of Opto Circuits (India) Ltd., Criticare Systems' parent company. "Having achieved all of the ambitious performance and cost targets for this advanced gas technology module is a testament to our ability to innovate and deliver state-of-the-art and cost effective technology to the vital signs market", concluded Mr. Ramnani.

Criticare Systems' CO₂/N₂O proprietary technology is available for immediate shipment to OEM customers and will be incorporated into several new Criticare product launches in the coming months. The technology also is connected to a large base on consumable products, available to both OEM's and end customers.