

OEM Gas Analyzer ANDROS 6500 and 6520

ANDROS 6500

- Measures up to 5 gases: 3 via NDIR and 2 via plug-in sensors
- RS232 and USB
- DC pump and solenoid valve drivers
- Analog to digital inputs (2)
- Differential pressure transducer for low flow/leak detection

ANDROS 6520

- Same as above but without the differential pressure transducer

The LumaSense Technologies' **ANDROS 6500** series offers unparalleled accuracy and performance through simplicity of design and implementation. Unlike analyzers that require moving components, the 6500 series uses a pulsed infrared source to achieve high accuracy with high reliability.

The Non-Dispersive Infrared (NDIR) system measures gases, communicates with the host via RS232 or USB and allows user-defined TTL outputs, as well as analog and tachometer inputs which can be integrated into the data output stream for user convenience.

Highly Accurate Calibration

Every 6500 system is individually calibrated for operation from 0 to 50°C over the entire range of specified concentrations. The results of this intensive calibration process are stored within each system, providing the most accurate analysis possible.

This attention to detail provides a highly accurate factory calibration of the NDIR analyzer. LumaSense is so confident in our factory calibration that our customers need never calibrate the NDIR analyzer again.

The Andros 6500 is designed to meet and exceed both ISO 3930/OIML R99, Class 0 and BAR 97 specifications.

High Stability: Rapid Warm-Up

The enhanced optics and electronics of the 6500 has virtually eliminated zero drift. Prior to this breakthrough, frequent zeroing of an analyzer was required during the first half-hour of operation for sensitive measurements. Now, with just two "zeroes" during the first three minutes, the 6500 meets all accuracy specifications.



Unique Optical Architecture

The optics of the 6500 series incorporates precision beam focusing architecture. A concentrated infrared beam generated from a proprietary emitter passes through a precision lens into a cleanable or replaceable gold-lined sample cell that the gas of interest is flowing through. The beam then passes into an optical assembly of highly specialized filters and a unique multi-element detector.

Comprehensive Software Architecture

Embedded dual protocol software makes upgrading older products utilizing Models 6230, 6231, 6241, 6231A, or 6241A easy.

All calculations are performed in real time for transmission to your host system. Control of key system devices such as gas flow solenoids and a sampling pump is provided with the ability to accept commands from the host.

BAR-97 Component Approval for Andros 6500 3-gas analyzer bench	
BAR-97 Certificate	BAR-97 Letter
	
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