

Model AD300 / MD300

Oxygen analyzers for mixed gas diving



Teledyne's expanding line of analyzers for mixed gas diving includes two handheld oxygen analyzers.

These models offer exceptional performance and reliability that users will come to appreciate. Using state-of-the-art design concepts and manufacturing techniques, the microprocessor-based AD300 Oxygen Analyzer and MD300 Oxygen Monitor with Alarms offer unique features that set these instruments apart from the competition.

With a microprocessor on board, functions such as calibration are a snap. Just turn the unit on, press the CAL key, and the computer does the rest. Pressing the lock key protects the calibration setting.

The MD300 with alarms easily allows the user to save settings. The two models also feature Teledyne's own R-17S oxygen sensor with enhanced temperature tracking and superior long-term stability and accuracy.

AD300 Oxygen Analyzer (no alarms)

- Microprocessor controlled
- Large, easy to read, 3-1/2 digit LCD display with backlighting
- Auto calibration and Auto diagnostics
- Battery strength indicator
- 2000 operation hours on three AA batteries
- 0-1 VDC or RS-232 digital output port
- Sensor fail / disconnect alarm
- Long life (36 month) R-17S oxygen sensor
- Rugged, high impact, ABS plastic housing
- Sample adapter kit
- V mount adapter plate
- Watertight carrying case
- Lock key protects settings
- Audio and visual indicators alerting the user to trouble
- 2 year warranty on sensor and instrument

MD300 Oxygen Monitor (with alarms)

- Microprocessor controlled
- Large, easy to read, 3 1/2 digit LCD display with backlighting
- Auto calibration and Auto diagnostics
- Two fully adjustable alarms
- Up / Down alarm set point controls
- Alarm test, alarm silence, and alarm off function
- Battery test function and strength indicator
- 0-1 VDC or RS-232 digital output port
- Sensor fail / disconnect alarm
- Long life (36 month) R-17S oxygen sensor
- Rugged, high impact, ABS plastic housing
- Sample adapter kit
- V mount adapter plate
- Watertight carrying case
- Lock key protects settings
- Audio and visual indicators alerting the user to trouble
- 2 year warranty on sensor and instrument

AD300 OXYGEN ANALYZER / MD300 OXYGEN MONITOR

SPECIFICATIONS

Measuring range:	0-100% oxygen
Accuracy:	± 2% of FS at constant temperature
Response time:	90% of step change in less than 10 seconds
Operating temp range:	0 to 40° C
Storage temp range:	-40 to 50° C
Power requirements:	3 AA alkaline batteries
Battery life: Minimum	2000 hours in non-alarm state
Sensor type:	R-17S
Sensor life:	36 months in air
Sensor cable:	Extends to 10 feet (3m)

Weight:	1 lb. (420 gr.)
Dimensions:	5.5" H x 3.5" W x 3" D 139.7 x 88.9 x 76.2 (mm)
Signal output:	0-1 VDC or RS-232 (2400 Baud rate)
RFI hardened:	Yes
Warranty:	24 months; covers defects in material and workmanship
Compliance:	CE mark

OPTIONS

- 3 digit LCD display
- RS-232 digital output



MD300 in case

Optional Mounting Hardware

Wall mount adapter for use with male plastic V mount supplied with unit



TELEDYNE ANALYTICAL INSTRUMENTS

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Warranty

Instrument is warranted for 1 year against defects in material or workmanship

NOTE: Specifications and features will vary with application. The above are established and validated during design, but are not to be construed as test criteria for every product. All specifications and features are subject to change without notice.

