



Analytical Industries Inc.
Advanced Instruments Inc.

AII-4001 TRIMIX ANALYZER

The most advanced and easy to use device on the market, read what others are saying about this **new and revolutionary** trimix analyzer. This unique device is a must have part of any pre-dive checklist . . . Proprietary software, environmental sensor and a large backlit LCD enable users to obtain the most accurate calibration possible with a single touch, eliminating errors related to charts and knobs. Additional information including MOD at PO2 of 1.4 ATA is well laid out and informative.



Don't dive without confirming the composition of trimix.



TECHNICAL SPECIFICATIONS

Application:	Measure Helium / Oxygen with the balance Nitrogen	Accuracy He, O2:	< ±2% of FS range under constant conditions
Analysis Range:	0-100% Helium, 0-100% Oxygen	Calibration:	Dual mode: Ambient air or span gas
Compensation:	Temperature, barometric pressure and relative humidity	Display:	Graphical backlit LCD 2.5 x 2.5"; displays %O2, %He, %Balance, barometric pressure, Temp, %RH, MOD – Maximum Operating Depth @ PO2 1.4 ATA, Low battery warning
Controls:	Water resistant keypad with simple to use one touch keys for Power ON/OFF; ON/OFF; Cal O2, Zero He	Connections::	1/8" push-on fitting
Enclosure:	Watertight IP65, 221 x 190.5 x 96.5 mm (8.7 x 7.5 x 3.8")	Pressure/Flow:	Very low (heard to be hissing out of tank outlet)
Power:	Rechargeable battery with 15 minute auto OFF 9 VDC power adapter from 110/220 VAC	Resolution:	0.1% Helium, 0.1% Oxygen, 0.1% Balance Gas
Response Time:	90% of final FS reading < 10 seconds	Sample System:	Flow manifold shown, 1/8" tubing, A-3609 adapter
Sensor Model:	He: AII-41-100, O2: AII-11-75D, Environmental: AII-E3	Sensor Life:	He: 10 yrs; O2: 60 mos in air at sea level and 25°C (77°F)
Temp. Range:	Operating: 0 – 45°C (32-113°F), Storage: 0 – 50°C (122°F)	Warranty:	Analyzer 12 mos; Sensors: He 12 mos, Environmental 12 mos, O2 36 mos prorated



A-3673 BC with Restrictor to 1/8" Tube