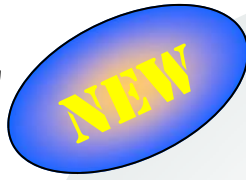




## TruMix Series



### Technical Specifications \*

- Application:** Measure Helium in Oxygen and/or Nitrogen and Oxygen in Nitrogen and/or Helium and compute balance gas
- Accuracy He, O<sub>2</sub> :** < ±1% of FS range under constant conditions  
< ±5% of FS range at constant pressure over operating temperature range of 0-45°C (0-113°F)
- Analysis Range:** 0-100% Helium, 0-100% Oxygen
- Calibration:** Dual mode: Ambient Air or Compressed Air
- Compensation:** Normal use: Temperature and barometric pressure  
Calibration: O<sub>2</sub> concentration is automatically corrected for temperature, barometric pressure and relative humidity
- Connections:** 1/8" push-on fitting
- Controls:** Water resistant keypad with simple to use one touch keys for Power ON/OFF; Backlight ON/OFF; Cal O<sub>2</sub>/Zero He
- Display:** Graphical backlit LCD 2.5 x 2.5"; backlight 30 sec auto OFF  
% Helium, % Oxygen, % Balance Gas;  
Temperature, relative humidity, pressure/altitude;  
Imperial or Metric units;  
MOD - Maximum Operating Depth @ PO<sub>2</sub> 1.6 ATM;  
Low battery warning
- Enclosure:** Watertight IP65, 221 x 190.5 x 96.5 mm (8.7 x 7.5 x 3.8")
- Pressure/Flow:** Very low (<5 psi, 1-2 lpm); open tank slowly until gas is heard to be hissing out of tank outlet
- Power:** Rechargeable battery with 15 minute auto OFF  
9 VDC power adapter from 110/220 VAC  
Approximately 16 hrs continuous use from a 2 hr full charge
- Resolution:** 0.1% Helium, 0.1% Oxygen, 0.1% Balance Gas
- Response Time:** 90% of final FS reading < 10 seconds
- Sensor Model:** He: AII-41-100, O<sub>2</sub>: AII-11-75D, Environmental: AII-E3
- Sensor Life:** He: 10 yrs; O<sub>2</sub>: 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, O<sub>2</sub> 36 mos prorated

\* Specifications subject to change without notice

- Optional Equip:** 9 VDC cigarette lighter adapter  
BC Quick Connect Tube Adapter with Flow Restrictor



## All TruMix 4001 Helium Oxygen Trimix Analyzer

*Easy User Interface... One Touch Controls*

*Maximum Accuracy... % He, % O<sub>2</sub>, % Balance Gas*

*Dual Calibration Modes... Ambient Air or Compressed Air*

*One Touch Calibration...  
Automatically Compensates O<sub>2</sub> Sensor for Temperature, Relative Humidity, Pressure  
Automatically Zeroes He Sensor...*

*Eliminates Conversion Charts*

*Easy to Read Large Backlit LCD Displays...*

*% He, % O<sub>2</sub>, % Balance Gas,  
Maximum Operating Depth or MOD,  
Imperial or Metric Units,  
Temperature, Relative Humidity, Pressure,  
Low Battery Warning*

*Rechargeable Battery with AC & DC Adaptors*

*Battery Saving Auto Turn Off Features*

MOD XXXFT AT PO2 1.6 ATM

He 35.0 %  
O2 21.0 %  
Bal 44.0 %



TEMP  
x77F

RH  
100.0%

ALT  
xxx3FT

MOD XXXM AT PO2 1.6 ATM

He 35.0 %  
O2 21.0 %  
Bal 44.0 %



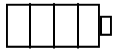
TEMP  
x77C

RH  
100.0%

ALT  
xxx3M

MOD XXXFT AT PO2 1.6 ATM

He 35.0 %  
O2 21.0 %  
Bal 44.0 %



**LOW BATTERY**

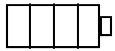
TEMP  
x77F

RH  
100.0%

ALT  
xxx3FT

MOD XXXM AT PO2 1.6 ATM

He 35.0 %  
O2 21.0 %  
Bal 44.0 %



**LOW BATTERY**

TEMP  
x77C

RH  
100.0%

ALT  
xxx3M