

CAMDAN AQT

**Advanced Air Quality
Analyzer**
(EN 12021 Compliant)



CAMDAN AQT is a fully digital, high precision instrument designed for continuous monitoring of breathing air quality according to EN 12021. Engineered for industrial, medical, fire rescue, and professional diving applications, the AQT delivers certified, reliable measurements in every environment.



Key Features

EN 12021 Breathing Air Gas Analysis

Real time monitoring of all critical parameters required by EN 12021, including:

- Oxygen (O₂)
- Carbon Dioxide (CO₂)
- Carbon Monoxide (CO)
- Volatile Organic Compounds (VOCs) / Oil Mist
- Humidity / Dew Point
- Particulates / General Air Purity
- Optional: Helium (He) for certified diving operations and mixed gas applications

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Optional Helium Measurement

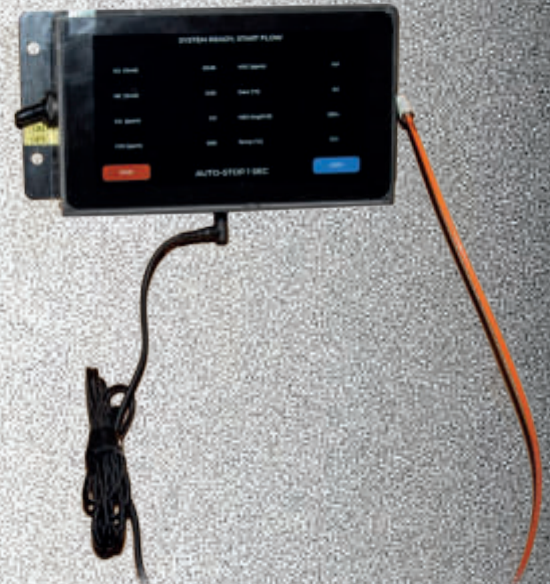
A dedicated digital module for helium concentration analysis, ideal for technical diving, trimix/heliox gas stations, and certified breathinggas production.

Fully Digital Architecture

Stateoftheart digital sensors ensure high accuracy, fast response, and longterm stability. No analog drift, no manual adjustments—just consistent, traceable data.

Integrated Datalogger with WiFi Export

All sessions are automatically stored in the internal memory. Export data via WiFi directly to PC, smartphone, or cloud platforms for audits and compliance documentation.



Portable or WallMounted

- Supplied in a rugged 2712 protective case, perfect for field inspections and mobile use.
- Also available in a wallmountable version for compressor rooms or fixed monitoring installations.

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Gases Measured

Gas / Parameter

O₂ - Oxygen
 CO₂ - Carbon Dioxide
 CO - Carbon Monoxide
 VOCs / Oil Mist
 Humidity / Dew Point
 Particulates
 He - Helium (optional)

Description

Minimum safe concentration verification
 Toxicity and contamination indicator
 Critical safety contaminant
 Lubricant carryover detection
 Water content and condensation risk
 General cleanliness of breathing air
 For certified diving and mixedgas stations

Standard Requirement

EN 12021
 EN 12021
 EN 12021
 EN 12021
 EN 12021
 EN 12021
 Advanced diving standards



Typical Applications

- Breathing air compressor verification
- Dive centers & trimix/heliox production
- Industrial safety monitoring
- Firefighting & rescue air systems
- Laboratories and QA departments

Why CAMDAN AQT?

- Full EN 12021 compliance
- High precision digital measurement
- Optional helium module
- Built in datalogger + Wi Fi
- Portable or wall mount solutions
- Robust, reliable, and easy to operate