

SERIES 940

Fixed Gas Monitor

Features

- Active sampling via Teflon tubing & pump
- Excellent water ingress protection
- Remote sampling from inaccessible areas
- Multiple analog & digital outputs
- Large LED display option
- Real-time network capability
- PC data logging & networking
- Temperature & RH sensor optional

Applications

- Pressure & flow fluctuating environments
- Controlled atmospheres (e.g. produce storage)
- Low oxygen environments (3-5% O₂)
- Indoor air quality (e.g. duct sampling)
- Sampling outdoor air quality
- Filtered Air Sampling



Specifications

Power (user supplied)	24V DC, 500mA (range 22-26V DC)
Analogue output	4-20mA (opto-isolated), 12-24V
External signal type	Transistor output (150mA max)
External signals (4)	Low Alarm High Alarm Control Diagnostics
LED Display	Optional
Inputs	Standby toggle
Communication	RS485 (Aeroqual proprietary protocol)
Jumpers	J1, J2, J3 termination resistors
Connectors	Screw
ID	1 (Default) User configurable from 1 to 255
Alarm set points (2)	User configurable
Control set point	User configurable
Removable/replaceable sensor head	Yes
Sampling method	Diaphragm pump with long-life brushless DC motor
Temperature & humidity sensor	Range -40°C to 124°C (-40°F to 255°F) Range 0 to 100% RH
Configuration software	PC Configuration Software
Data logging & networking software	PC Data Logging & Networking Software
USB interface (optional)	RS485 to USB converter
Enclosure casing	Fibre reinforced polycarbonate IP41 & NEMA 2 equivalent
Enclosure size	230 x 140 x 95 (mm); 9 x 5½ x 3¾ (in)
Weight	< 1100 g; < 1 lb 3 oz
Approvals	Part 15 of FCC Rules EN 50082-1: 1997 EN 50081-1: 1992