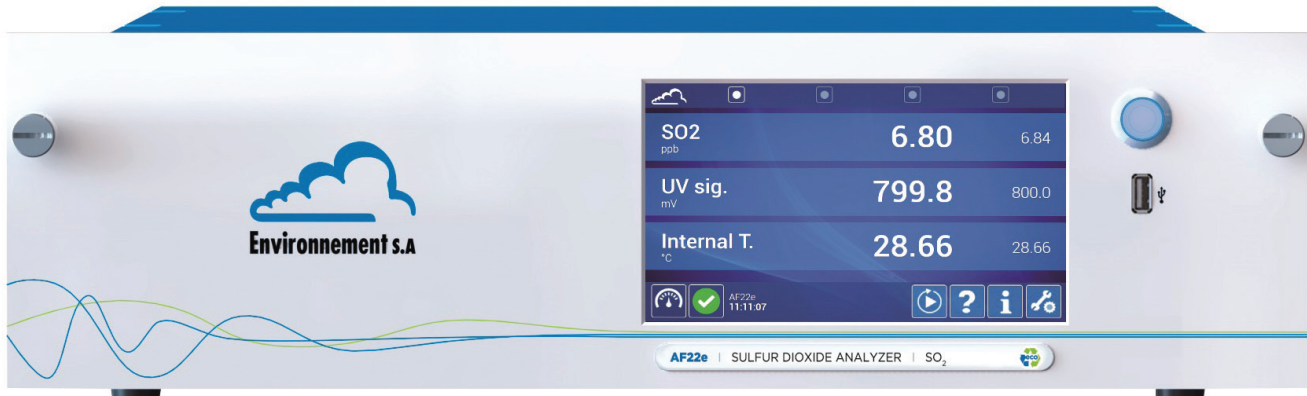




AF22E

Sulphur Dioxide Analyser



Designed to counteract the disadvantages of the chemiluminescence method and to provide the most accurate value for SO₂ concentration measurements

The AF22E sulphur dioxide analyser is an ultra compact and light - rack 3U, easy-to-use analyser capable of measuring sulphur dioxide at ppb levels. It uses the widely recognised UV measurement.

Customise to Suit your Requirements

Featuring an interactive menu, real-time calibration graphs and user adjustable response and averaging time, the AF22E is designed to be customised to meet your analytical requirements.

On Board Web Server

NEW: on board web server compatible with any internet browser. es@cloud™ user interface with on-line help for the display, configuration, maintenance, diagnostics or software updating of the analyser, remotely, from any PC, tablet or iPhone

“The most accurate, precise & direct analyser for continuous monitoring of ambient SO₂”

KEY BENEFITS

- Innovative technology teamed with touchscreen convenience for easy front screen access
- Direct measurement of the sample - no chemical conversion required
- Measurement of ambient concentrations to 1000 ppbv
- Built-in USB port and serial interface (RS 232 / RS 422)
- Insensitive to presence of varying levels of nitric oxide, aerosols, humidity and other trace atmospheric species

Technical Specification

APPLICATIONS

- Ambient air monitoring
- Indoor air quality continuous monitoring
- Roadside air pollution
- Tunnel monitoring

GENERAL

- Built-in USB port and serial interface (RS 232 / RS 422)
- Full remote emulation of the analyser
- Sample dryer
- Ethernet network connection

MEASUREMENT PRINCIPLE

- Measurement Range: 0-1 ppm
- Detection limit (2s): 0.1 ppb
- Repetability standard deviation at zero: 0.05 ppb
- Repetability standard deviation at a level of the hourly limit value ($200\mu\text{g}/\text{m}^3$): 0.2 ppb

CERTIFICATION

- US EPA equivalent method applied

SPAN & DRIFT

- Short zero drift: 0.75 ppb (24h)
- Short span drift: 1.5 ppb
- Response time (rise): 16 s
- Response time (fall): 16 s
- Valves block for selection of external zero and span gas

Rev 2.1 June 17

**a1-cbiss Ltd, 11 Ark Royal Way, Lairdside
Technology Park, Tranmere, Wirral, CH41 9HT**
T: +44(0)151 666 8300
F: +44(0)151 666 8329
E: sales@a1-cbiss.com
W: www.a1-cbiss.com



Complete Project Solutions

Our complete project solutions are developed to assist you in achieving compliance.

We achieve this through:

- Expert consultancy
- Project management
- In-house project design & build
- Installation & commissioning
- After product service & support

