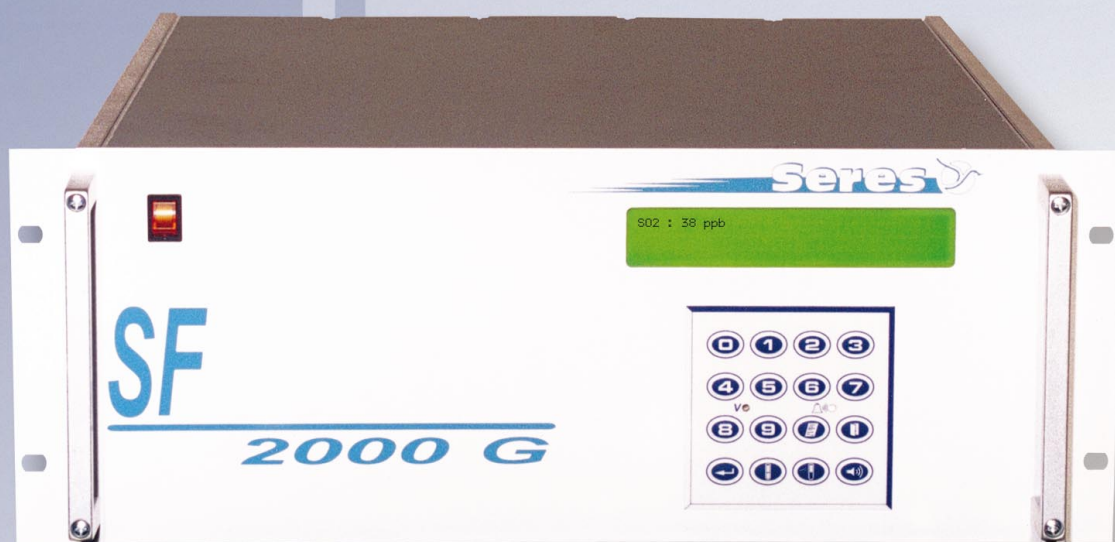


SO₂ U.V. Fluorescent Analyser MODEL SF 2000 G

FRENCH STANDARD AFNOR X 43.019



AMBIENT AIR

Series 2000 G is a line of ambient air analysers using the same printed circuit boards. "Physics" measurement principles associated to digital electronics designed around a 16-bits microprocessor gives the operator the necessary security for the monitoring and control of our environment.

ANALYSER ENSURING ENVIRONMENTAL PROTECTION

The SF 2000 G is an advanced design analyser that incorporates the latest achievements in continuous SO₂ measurement.

- A 4 x 4 character digital display and 16-keyboard permit a dialogue between operator and analyser. Several menus are available for maintenance aid, calibration, zeroing...
- Continuous microprocessor self-diagnostic with display and remote transmission
- Digital signal processing. This new and advanced design improves accuracy while maintaining a very short response time.
- Internal measurement storage memory with data transfer to computer or printer via RS 232 C output.

Seres
ANALYSERS

AIR QUALITY UNDER STRICT SURVEILLANCE

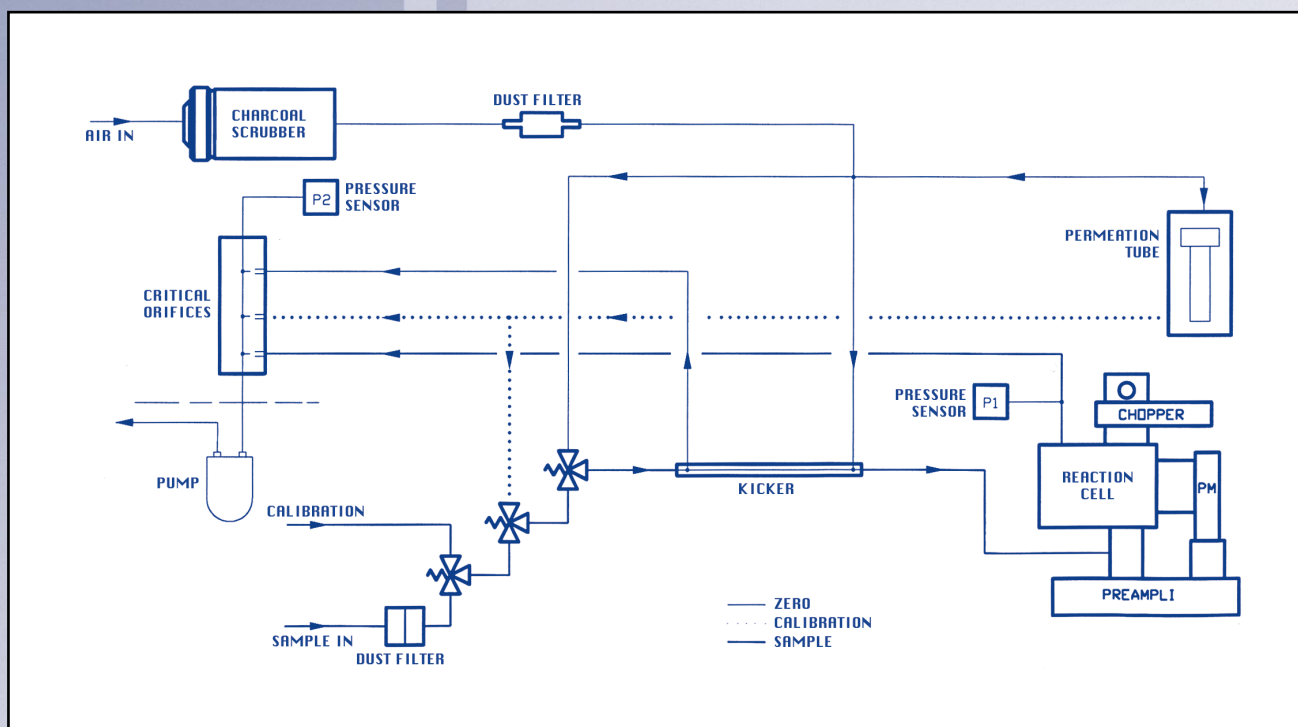
MODEL SF 2000 G

FRENCH STANDARD AFNOR X 43.019

PRINCIPLE

The U.V. source is a zinc-ray lamp which has proven its worth in hundreds of SO₂ analysers manufactured by SERES for many years. It eliminates interference from water vapour and has a more than 2 years life. Aromatic hydrocarbons are eliminated by means of a selective membrane. The various components are

placed in the temperature controlled optical compartment to avoid drift. Zero control (automatic, manual or remote) is carried out by internal charcoal scrubber and calibration control can be carried out using an internal permeation bench.



TECHNICAL SPECIFICATIONS

- **Ranges** : 0.1 - 0.5 - 1 - 5 and 10 ppm.
- **Lower detectable limit** : < 1 ppb.
- **Response time** : 60 s. for 90% change with 50 l/h flowrate.
- **Zero drift** : < 2 ppb per week.
- **Span drift** : < 1 % per month.
- **Linearity** : ± 1 % F.S.
- **Temperature range** : 0 - 40° C.
- **Humidity** : 0 - 96 % non condensing.
- **Power consumption** : 360 V.A.
- **Power supply** : 220 V - 240 V / 50 Hz.
- **Mounting** : H = 180 mm, W = 480 mm, D = 540 mm
- **Weight** : 19 Kg + pump.
- **External pump** - sample flowrate = 30 to 50 l/h.

- **Solenoid valves** for zero and calibration.
- **Permanent diagnostics** and alarms monitoring.
- **Analog output** : 4 - 20 mA with galvanic insulation (other outputs on request).
- **Digital RS 232 C** output.
- **Printer interface**.
- **Option** : Internal permeation bench.

SPECIFICATIONS ARE PER US E.P.A. AND GERMAN U.B.A. TEST CRITERIA. ALL US E.P.A. SPECIFICATIONS EXCEEDED.

Seres
ANALYSERS

360, RUE LOUIS DE BROGLIE. LA DURANNE - BP 87000 - 13793 AIX-EN-PROVENCE CEDEX 3 - FRANCE
TÉL. (33) 04 42 97 37 37 - FAX (33) 04 42 97 30 30

INTERNET : www.seres-france.com - E-MAIL : seres-france@seres-france.com