

## Continuous monitor for SO<sub>2</sub> Model HORIBA APSA-370



**Type approval:** According to EN14212 and VDI 4202/4203 (TUEV Rheinland, Germany)  
Institute for Energy- and Environmental Technology Cologne.  
U.S. EPA: EQSA-0506-159

### Technical Data

Principle	UV Fluorescence (UVF)
Application	SO <sub>2</sub> -measurement in ambient air
Ranges	0 – 0,05/ 0,1 / 0,2 / 0,5 ppm
Optional (measurable) ranges	4 ranges selectable from 0 - 10 ppm, within 10 times range ratio
Ranging	Manual, automatic or remote controlled
Lower detectable limit	0,5 ppb (3 sigma)
Repeatability	± 1,0 % F.S
Linearity	± 1,0 % F.S.
Zero Drift	< LDL/day at lowest range < LDL/week at lowest range
Span Drift	< LDL/day at lowest range < LDL./week at lowest range
Sample gas flow rate	Approx. 0,7 l/min
Response Time T <sub>(90)</sub>	Within 120 s at lowest range
Display	LCD Display with touch screen ppm/ppb or µg/µg
Language	English, French, Japanese, German
Output signal	RS-232 interface with German network protocol
Compensation	Pressure and temperature, removing of HC

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Alarm messages	Flow alarm Pressure alarm Calibration error alarm Converter temperature Battery alarm
Ambient temperature	5 – 40 °C
Power	100/110/115/120/220/230/240 VAC, 50/60 Hz, to be specified
Dimension	Width 430 mm (19") Height 221 mm (5 HU) Depth 550 mm
Housing	19" case with telescopic rails and brackets
Weight	Approx. 19 kg
Valves for supplying zero and span gas	Solenoid valves can be installed for supplying <ul style="list-style-type: none"><li>• zero gas from central zero gas generator controlled by external Zero/Span check unit</li><li>• span gas from gas cylinder controlled by external Zero/Span check unit</li></ul>
Internal permeation device	On request