

**Continuous monitor
for H₂S / TRS
Model HORIBA APSA 370
+ CU-1 integrated**



Type approval (for SO₂):

**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

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| Principle | UV Fluorescence (UVF) SO ₂ removal by scrubber, Integrated H ₂ S/TRS to SO ₂ Converter Conversion efficiency 95 % |
| Application | H ₂ S / TRS -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 | 2 ppb (3 sigma) |
| Repeatability | ± 2,0 % F.S |
| Linearity | ± 1,0 % F.S. |
| Zero Drift | ± 2,0 % F.S./day at lowest range |
| Span Drift | ± 2,0 % F.S./day at lowest range |
| Sample gas flow rate | Approx. 0,7 l/min |
| Response Time T ₍₉₀₎ | Within 180 s at lowest range |
| Display | LCD Ddisplay 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. 22 kg |
| Valves for supplying zero and span gas | Solenoid valves can be installed for supplying <ul style="list-style-type: none">• zero gas from central zero gas generator controlled by external Zero/Span check unit• span gas from gas cylinder controlled by external Zero/Span check unit |
| External permeation device (piggyback) | On request |