

## Continuous monitor for CO Model HORIBA APMA-370



**Type approval: According to EN14626 and VDI 4202/4203 (TUEV Rheinland, Germany)  
Institute for Energy- and Environmental Technology Cologne.  
U.S. EPA: RFCA-0506-158**

### Technical Data

Principle	NDIR, (Infrared-absorption technology) with patented cross flow modulation
Application	CO -measurement in ambient air
Ranges	0 -5 / 10 / 20 / 50 ppm
Optional (measurable) ranges	4 ranges selectable from 0 – 100 ppm, within 10 times range ratio
Ranging	Manual, automatic or remote controlled
Lower detectable limit	0,02 ppm (3 sigma)
Repeatability	± 1,0 % F.S
Linearity	± 1,0 % F.S.
Zero Drift	< LDL/day at lowest range < 0,2ppm/week at lowest range
Span Drift	< LDL/day at lowest range ± 1,0 % F.S./week
Sample gas flow rate	Approx. 1,5 l/min
Response Time $T_{(90)}$	Within 50 s at lowest range
Display	LCD Display with touch screen ppm/ppb or $\mu\text{g}/\mu\text{g}$
Language	English, French, Japanese, German
Output signal	RS-232 interface with German network protocol
Compensation	Pressure and temperature

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Alarm messages	Power off Flow alarm Pressure alarm Calibration error alarm Catalyzer 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. 16 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 generator controlled by external Zero/Span check unit</li></ul>