

Continuous monitor for NO-NO₂-NO_x Model HORIBA APNA 370



Type approval: According to EN14211 and VDI 4202/4203 (TUEV Rheinland, Germany)
Institute for Energy- and Environmental Technology Cologne.
U.S. EPA: RFNA-0506-0157

Technical Data

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| Principle | Reduced pressure chemiluminescence (CLD), with patented cross flow modulation |
| Application | NO _x /NO/NO ₂ -measurement in ambient air |
| Ranges | 0 - 0,1 / 0,2 / 0,5 / 1,0 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 ± 1,0 ppb/week at lowest range |
| Span Drift | < LDL/day at lowest range ± 1,5 % F.S./week |
| Sample gas flow rate | Approx. 0,8 l/min |
| Response Time T ₍₉₀₎ | Within 70 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 |

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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. 21 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 |
| Internal permeation device | On request |