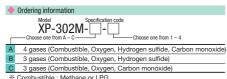
Multi-Gas Detectors

Oxygen/Combustible gas/Hydrogen Sulfide/Carbon Monoxide detector digital

XP-302M







Features

- Compact and Lightweight.
- Large, blight display with auto-backlight.
- 4 gas simultaneous gas display.

| | | 1/m | | | | |
|----------------------------------|--------------------------|--|-----------------|----------------------|----------------------|--|
| Model | | XP-302M | | | | |
| Gases Detected | | Combustible Gas (Methane or LPG) | Oxygen | Hydrogen Sulfide | Carbon Monoxide | |
| Detection Principle | | Catalytic combustion | Galvanic cell | Electrochemical cell | Electrochemical cell | |
| Gas Sampling Method | | Extractive | | | | |
| Measuring Range | | 0-100%LEL | 0-25.0vol% | 0-30.0ppm | 0-150ppm | |
| (Service range) | | | (25.1-50.0vol%) | (30.1-150ppm) | (151-300ppm) | |
| Indication Accuracy | | < ±5%LEL | < 0.5vol% | < ±1.5ppm | < ±10ppm to 100ppm | |
| (Repeatability)*1 | | | | | < ±15ppm to 150ppm | |
| Alarm Set | | 10%LEL | 19.5vol% | 10.0ppm | 50ppm | |
| Value | 2nd stage | 30%LEL | 18.0vol% | 15.0ppm | 100ppm | |
| | with a 1m sampling hose | < 25 sec. | < 20 sec. | < 30 sec. | < 30 sec. | |
| Time*2 | with an 8m sampling hose | | | | | |
| Operating Temperature & Humidity | | −10 to 40°C, 95% RH (non-condensing) | | | | |
| Power Source | | 4 × AA alkaline dry cells | | | | |
| Display | | A large LCD with backlight provides simultaneous and continuous readout of all gases being monitored | | | | |
| | | 3 user-selectable display modes (standard display / graphic display / English display). | | | | |
| Alarms | | 90+ dB buzzer, flashing LCD and warning lamp | | | | |
| Operating Hours*3 | | 8+ hours on 4 × AA alkaline cells (20°C, no alarm, no backlight and datalogging OFF) | | | | |
| Safety Design | | Intrinsically safe design Exibd II BT3 | | | | |
| Functions | | -Automatic backlight (in dim light or alarm condition) • Zero adjustment • Peak hold • Buzzer control | | | | |
| | | •Low flow alarm •Datalogging function (up to 150 hours) •Buzzer stop •Alarm test •Display of remaining | | | | |
| | | battery level, current time and temperature | | | | |
| Demensions | | Approx. W152 × H152 × D42 mm | | | | |
| Weight | | Approx. 870g | | | | |
| Standard Accessories | XP-302M-□-1* | 1m sampling hose (Probe with filter/moisture trap, Spare filters) Soft case | | | | |
| | XP-302M-□-2* | 8m sampling hose (with float), Soft case and carrying case | | | | |
| | XP-302M-□-3* | Aluminum case*4, 8m sampling hose (with float), An external alarm (with 8m cable) and AC adaptor | | | | |
| | XP-302M-□-4* | Aluminum case*4, 8m sampling hose with hose reel (with float), An external alarm with a | | | | |
| | | cable reel (with 8m cable) and AC adaptor | | | | |
| Optional Accessories*5 | | Log data download software (for Windows 2000 or XP) | | | | |
| | | •20m sampling hose for float | | | | |
| | | •30m sampling hose for float | | | | |

- *1 Under identical conditions
 *2 T90
 *3 It depends on the environmental conditions, service conditions, storage period, and battery manufacturers
- st 4 Non explosion-proof type $\,\,$ st 5 Please contact our dealers / distributors for available accessories

COSMOS Personal Gas Monitor XX-2100 Series Hydrogen Sulfide/Oxygen detector

XOS-2200







- Available with TWA (Time Weighted Average) gas concentration display, memory of peak value, and peak hold function.
- Thin, lightweight design.
- Available with gas calibration kit (Optional).



| Model | XOS-2200 | | |
|---------------------------|---|------------------------|--|
| Gas Detected | Oxygen (O2) | Hydrogen Sulfide (H2S) | |
| Detection Principle | Galvanic cell | Electrochemical cell | |
| Sampling Method | Diffusion | | |
| Detection Range | 0-25vol% | 0-30.0ppm | |
| (Service Range) | (25-50vol%) | (30.1-100ppm) | |
| Resolution | 0.1vol% | 0-35.0ppm: 0.1ppm | |
| nesolution | 0.1701% | 35-100ppm: 5ppm | |
| Indication Accuracy *1 | Within ±0.5vol% | Within ±1.5ppm | |
| indication Accuracy 1 | ±1 digit | ±1 digit | |
| Alarm Set Value 1st stage | 19.5vol% | 10.0ppm | |
| 2nd stage | 18.0vol% | 15.0ppm | |
| Response Time *2 | 20s or less | 30s or less | |
| Display Mode | LDC (Manual backlight) | | |
| Alarm Mode | Buzzer sounds, flashing red light, vibrator | | |
| | Remaining battery level, peak hold, memory of peak value, alarm | | |
| Functions | functions except gas alarm (sensor malfunction, remaining battery level | | |
| | air-adjustment malfunction), gas concentration indication. | | |
| Operations Temperature | -10°C to 40°C, 30-85% RH (non-condensing) | | |
| Operation Air Pressure | Air pressure ±10% | | |
| Power Source | 1 × AAA alkaline dry cell (LR03) | | |
| Battery Life *3 | Up to 5000 hours (at 20℃ without alarm) | | |
| Dimensions | W65×D22×H64mm (excluding protrusions) | | |
| Weight | Approx. 75g (including battery) | | |
| Standard Accessories | 1 X AAA alkaline dry cell, 1 X safety pin adaptor (with fixing screw) | | |

^{*1} Under idential measuring conditions. *2 Assuming 90% response and operating at 20 $\pm 2^{\circ}$ C.

^{*3} Battery life may vary with ambient conditions, conditions of use, storage period, battery manufactures, etc.