

OXYGEN MONITOR

OX-600 SPECIFICATION

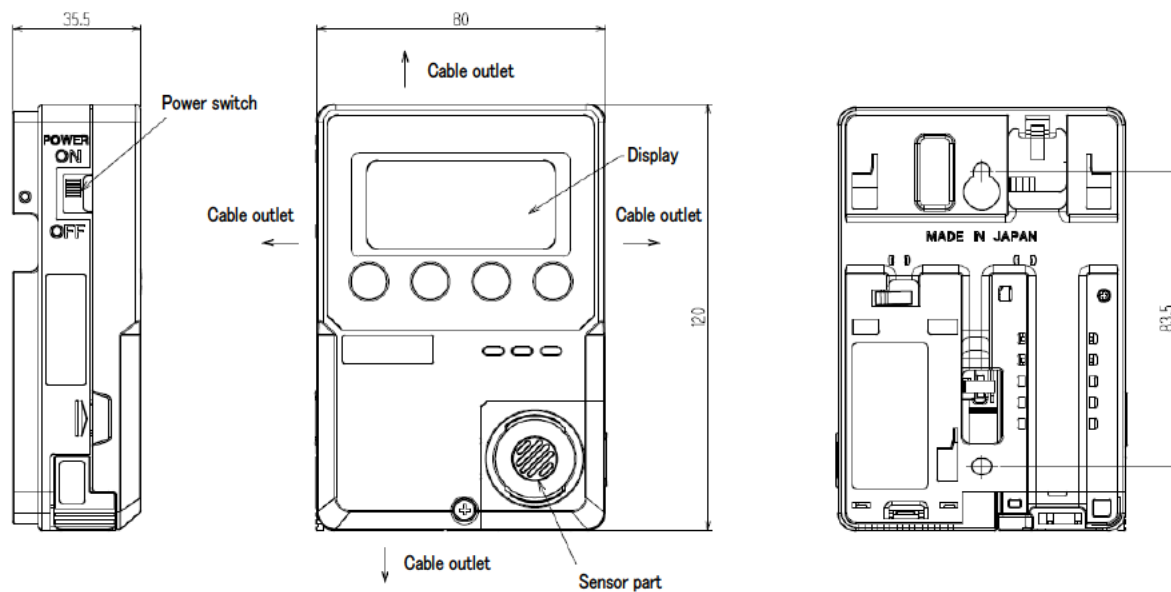
Detection principle	Galvanic cell type
Gas to be detected	Oxygen
Concentration display	LCD digital display (Three-digit, seven-segment/green, orange and red backlight) *No backlight during normal operation for the dry battery type
Detection range ^{※1}	0~25vol%/0~50vol%
Display resolution ^{※1}	0~25vol%:0.1vol%/0~50vol%:0.5vol%
Detection method	Diffusion type
Alarm setpoint ^{※1}	Detection range 0~25vol%: 1st 19vol%(L)/2nd 18vol%(LL) [Standard] Detection range 0~50vol%: 1st 18vol%(L)/2nd 25vol%(H) [Standard]
Accuracy of the reading (under the same conditions) ^{※2}	Within $\pm 0.7\text{vol}\%$ (25vol% or less), $\pm 3.0\text{vol}\%$ (25.1vol% or more)
Response time (under the same conditions) ^{※2}	90% response: within 30 seconds
Alarm delay time (under the same conditions) ^{※2}	For an oxygen deficiency alarm (18vol% L alarm), 5 seconds or less after detecting a 10 to 11vol% gas
Accuracy of Alarm setpoint ^{※2}	Difference between Alarm setpoint and indicated value of warning alarm are zero.
Gas alarm type ^{※1}	Two-step alarm (L-LL, L-H or H-HH)
Gas alarm display	1st: Lights up the concentration display and backlight (orange), buzzer 2nd: Lights up the concentration display and backlight (red), buzzer
Gas alarm pattern ^{※1}	Self-latching or non latching (Auto-reset), Lock-in
Gas alarm contact ^{※1}	No-voltage contact 1a or 1b and normally de-energized (energized in response to an alarm)
Fault alarm/self diagnosis	System abnormalities/sensor connection abnormalities
Fault alarm display	Alarm detail display and backlight blinking (orange), buzzer
Fault alarm pattern	Non latching (auto-reset)
Contact capacity	125VAC·1A or 30VDC·1A (Resistance load)
Transmission specifications ^{※1}	4~20mADC (no-insulation/load resistance under 300 Ω) or 0~1VDC (no-insulation) *Only 0~1VDC for the dry battery type
Cable for gas detector head ^{※1}	Dedicated cable for remote (3, 5, 10 or 20 m)
Power supply ^{※1}	100-120VAC $\pm 10\%$ (50/60Hz), 24VDC $\pm 10\%$ or AA alkaline dry battery (2pcs.)
Power consumption	AC specification: Max. 5VA DC specification: Max. 3W
Dry battery Continuous operating time	Approx. 1 year (25°C, no alarm and no lighting) *When using two AA alkaline dry batteries
Initial clear	Approx. 25 seconds
Operating temperatures	-10~40°C (at a constant condition)
Operating humidities	Below 90%RH (Non-condensing)
Operating pressure	Atmospheric pressure (80kPa~105kPa)
Structure ^{※1}	Wall mounting type, sensor integrated type or remote type
Outline dimensions	Main unit: Approx. 80 (W) x 120 (H) x 35.5 (D) mm Remote sensor: Approx. 40 (W) x 96 (H) x 35.5 (D) mm (projection portions excluded)
Weight	AC specification: Approx. 200g DC specification: Approx. 180g Dry battery type: Approx. 230g Remote sensor part: Approx. 55g (cable excluded)

※1 Please specify your request when ordering.

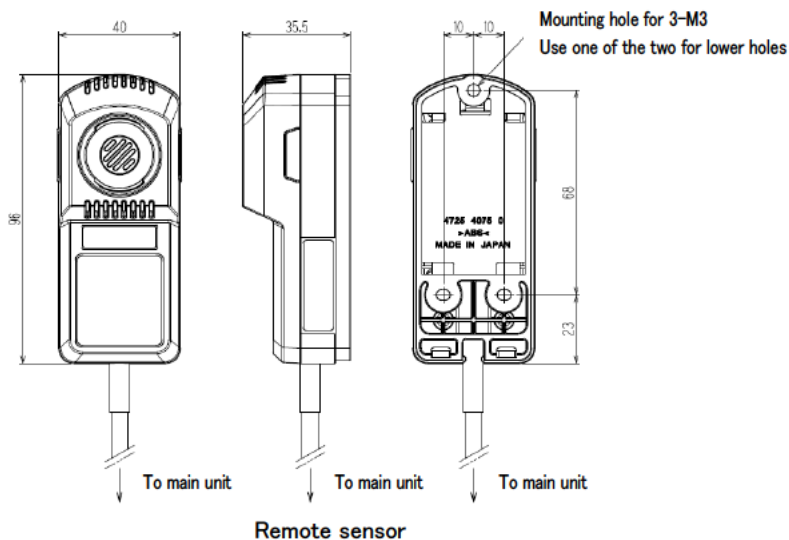
※2 In conformity to JIS T8201 2010(Oxygen deficiency indicator) .

Outline Drawings

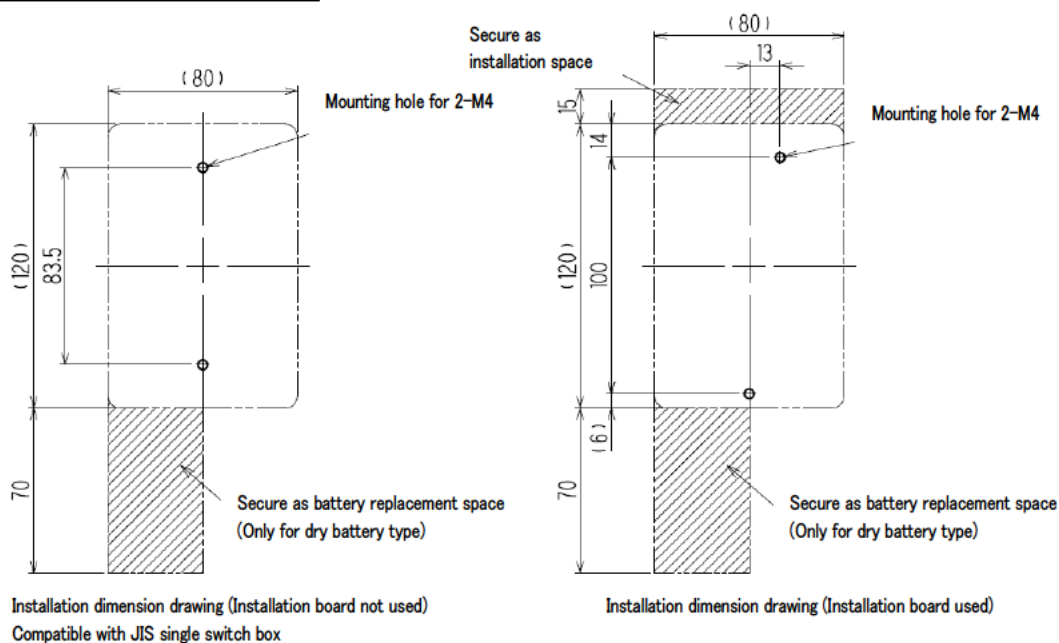
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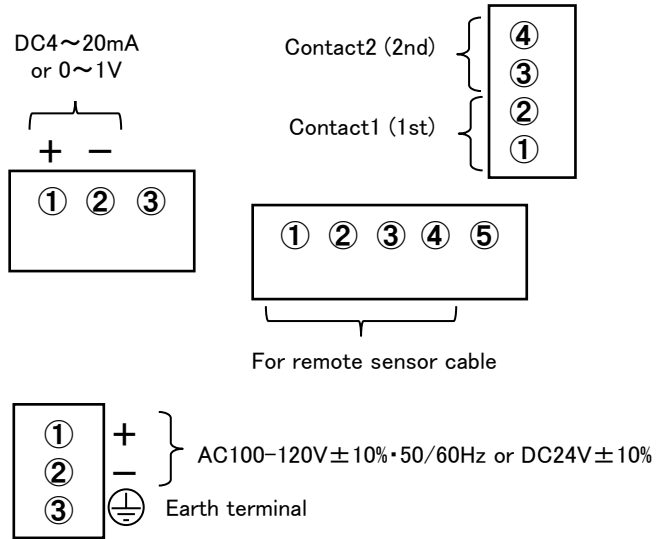
<Remote sensor>



Installation dimension drawing



Terminal Drawings



OXYGEN MONITOR OX-600 (with backup power) SPECIFICATION

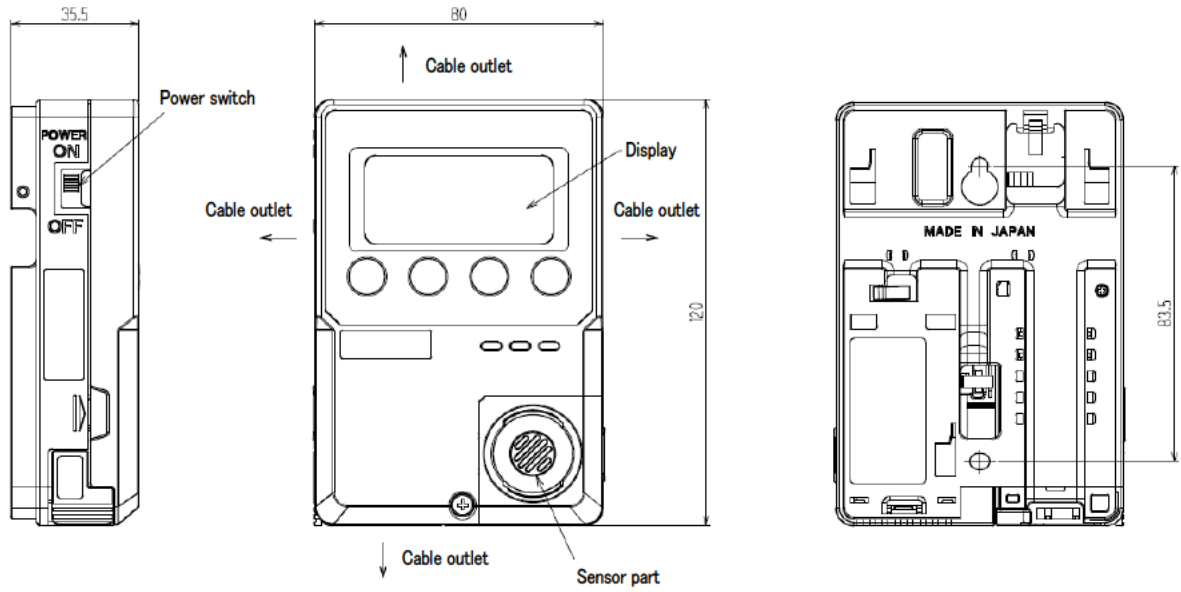
Detection principle	Galvanic cell type
Gas to be detected	Oxygen
Concentration display	LCD digital display (Three-digit, seven-segment/green, orange and red backlight)
Detection range ^{※1}	0~25vol%/0~50vol%
Display resolution	0~25vol%:0.1vol%/0~50vol%:0.5vol%
Detection method	Diffusion type
Alarm setpoint ^{※1}	Detection range 0~25vol%: 1st 19vol%(L)/2nd 18vol%(LL) [Standard] Detection range 0~50vol%: 1st 18vol%(L)/2nd 25vol%(H) [Standard]
Accuracy of the reading (under the same conditions) ^{※2}	Within $\pm 0.7\text{vol}\%$ (25vol% or less), $\pm 3.0\text{vol}\%$ (25.1vol% or more)
Response time (under the same conditions) ^{※2}	90% response: within 30 seconds
Alarm delay time (under the same conditions) ^{※2}	For an oxygen deficiency alarm (18vol% L alarm), 5 seconds or less after detecting a 10 to 11vol% gas
Accuracy of Alarm setpoint ^{※2}	Difference between Alarm setpoint and indicated value of warning alarm are zero.
Gas alarm type ^{※1}	Two-step alarm (L-LL, L-H or H-HH)
Gas alarm display	1st: Lights up the concentration display and backlight (orange), buzzer 2nd: Lights up the concentration display and backlight (red), buzzer
Gas alarm pattern ^{※1}	Self-latching or non latching (Auto-reset), Lock-in
Gas alarm contact ^{※1}	No-voltage contact 1a or 1b and normally de-energized (energized in response to an alarm)
Fault alarm/self diagnosis	System abnormalities/sensor connection abnormalities
Fault alarm display	Alarm detail display and backlight blinking (red), buzzer
Fault alarm pattern	Non latching (auto-reset)
Contact capacity	125VAC·1A or 30VDC·1A (Resistance load)
Transmission specifications ^{※1}	4~20mADC (no-insulation/load resistance under 300 Ω) or 0~1VDC (no-insulation)
Cable for gas detector head ^{※1}	Dedicated cable for remote (3, 5, 10 or 20 m)
Power cable	Power cable with AC adaptor (approx. 3.6 m)
Power supply	100-120VAC $\pm 10\%$ (50/60Hz)
Power consumption	Max. 5VA
Backup power operating time	Approx. 4 hours (25°C, no alarm and no lighting)
Initial clear	Approx. 25 seconds
Operating temperatures	-10~40°C (at a constant condition)
Operating humidities	Below 90%RH (Non-condensing)
Operating pressure	Atmospheric pressure (80kPa~105kPa)
Structure ^{※1}	Wall mounting type, sensor integrated type or remote type
Outline dimensions	Main unit: Approx. 80 (W) x 120 (H) x 35.5 (D) mm Remote sensor: Approx. 40 (W) x 96 (H) x 35.5 (D) mm (projection portions excluded) AC adaptor: Approx. 49.8 (W) x 26.3 (H) x 68.2 (D) mm
Weight	Main unit: Approx. 200g Remote sensor part: Approx. 55g (cable excluded) AC adaptor: Approx. 82g (cable included)

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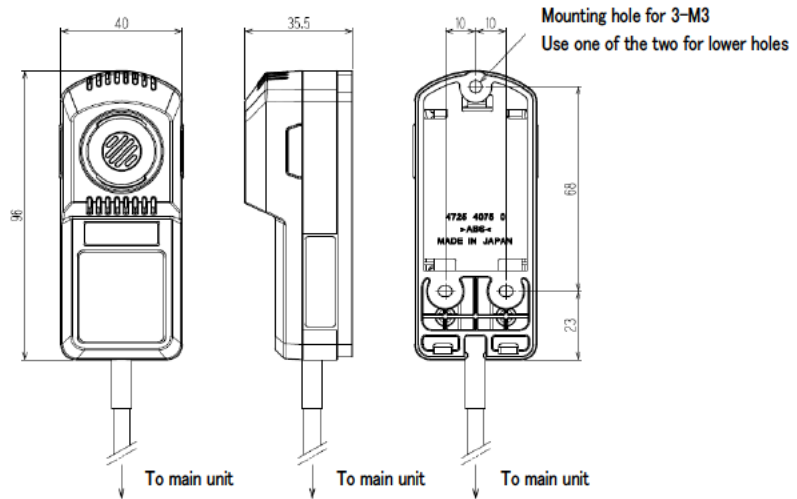
※2 In conformity to JIS T8201 2010 (Oxygen deficiency indicator) .

Outline Drawings

<Main body>

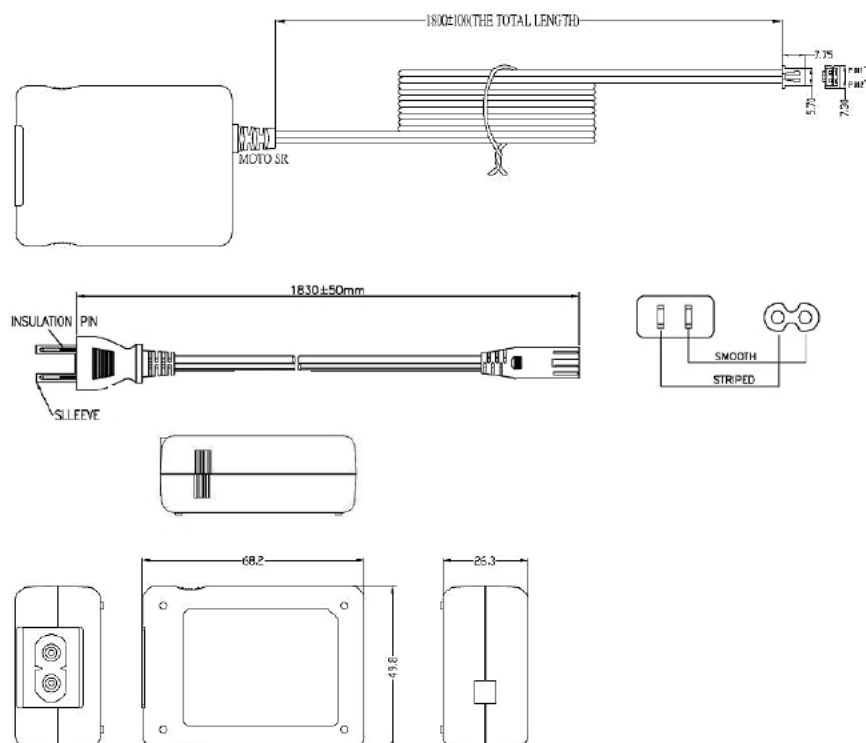


<Remote sensor>

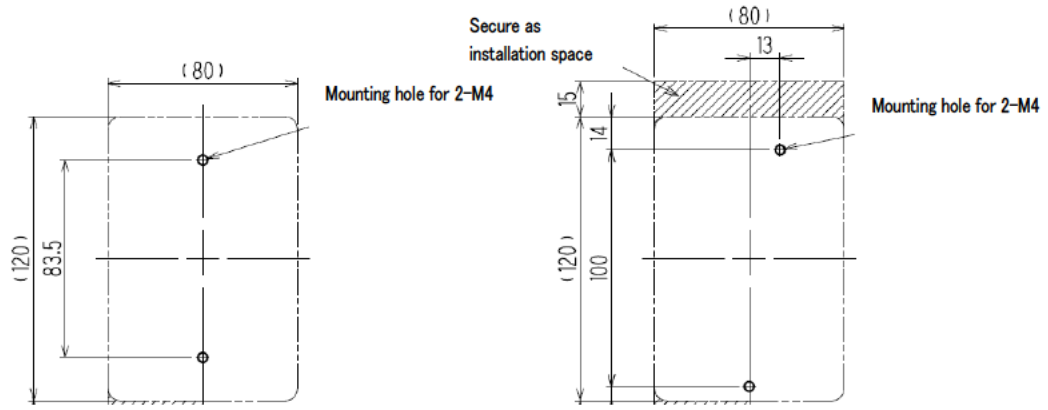


Remote sensor

Power cable with AC adaptor



Installation dimension drawing



Terminal Drawings

