

FIXED TYPE WIRELESS GAS DETECTOR **SDWL-10X(TIIS) SPECIFICATION**

Model	SDWL-10X
Detection principle	Galvanic cell method
Gas to be detected	Oxygen(O ₂)
Concentration display	LCD
Detection range* ¹	0-25vol%
Resolution	0.1vol%
Detection method	Diffusion method
Alarm setpoint value* ¹	18.0vol (ALM1), 18.0vol% (ALM2)
Power display	Checked with LCD display
Indicate accuracy (under an identical condition)	Within ± 0.7 vol%
Alarm accuracy (under the same conditions)	Within ± 1 vol% to the alarm setpoint value
Alarm delay time (under the same conditions)	For an oxygen deficiency alarm(18vol% L alarm), 5 seconds or less after detecting a 10 or 11vol% gas
Gas alarm type	Two-step alarm(L-LL)
Gas alarm display	Alarm lamps light up(ALM1:Red, ALM2:Red)
Alarm pattern	Non latching(auto-reset)
Fault alarm/Self diagnosis	System failure/sensor failure/antenna fault warning/communication abnormality warning
Fault alarm display	FAULT lamp lights up(yellow)
Fault alarm pattern* ¹	System abnormality: Self-latching Sensor/communication abnormalities: Non-latching(auto-reset) (standard) or self-latching can be selected.
Wireless communication protocol	ISA100.11a (IEEE802.15.4 compliant)
Frequency range/ Wireless output power	2400 MHz - 2483.5 MHz, 12 dBm or less
Applicable wireless standard	FCC Approval (United States) IC Approval (Canada) IMDA Approval (Singapore)
Applicable EMC standard	EN50270, EN61326-1
Functions	Zero suppression/alarm delay
Power supply	Battery driving: 7.2 V, lithium thionyl chloride battery (manufactured by TADIRAN: TL-5930/S)
Continuous operating time	2 year (register AI:3pcs and B0:2pcs, 25°C, no alarm, I/O device setting)
Piping port	Gas inlet: 0. D ϕ 6-1t with SUS half union<for SUS pipe> Gas outlet: 0. D ϕ 6-1t with elbow union<for SUS pipe>
Initial clear	Approx. 25 seconds
Operation	Dedicated magnet
Operating temperature	-10 - +40°C (non-rapidly-vary)
Operating humidity	95%RH or less (non-condensing/at a constant condition)
IP class	IP65 (sensor part excluded)
How to install	2B pole mounting, wall mounting
Explosion-proof structure	Intrinsically safe explosion-proof structure
Explosion-proof class	Ex ia IIC T4 Ga
Explosion-proof approval No.	TC22071X
Dimensions	Approx. 157 (W) \times 297 (H) \times 206 (D) mm
Weight	2B pole mounting: approx. 4.5kg, wall mounting: approx. 5.5kg
Color	Munsell 7.5BG5/2

*1 Please specify your request when ordering.

Outline Drawings

