



FEATURES

- Clear flowing lamp for gas alarm.
- Automatic backup to operate under electric power failure for more than 2 weeks (350hrs).
- Small and lightweight for easy installation.

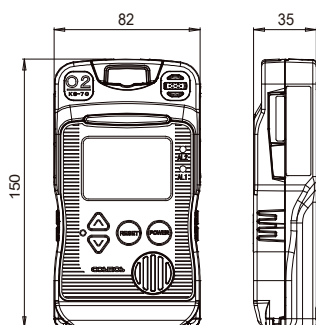
Applications

- Clean rooms for semiconductor factory
- Various test rooms
- For continuous monitoring of oxygen deficiency, and for the safety under construction.

Specifications

Model	KS-70
Target Gas	Oxygen
Detection Range	0 - 25.0 vol% or 0 - 50.0 vol%
Concentration Indication	LCD 3-digit digital, 0.1 vol% resolution (with backlight)
Alarm Set Value	For 25.0 vol%: 1st stage 19.0 vol%, 2nd stage 18.0 vol% For 50.0 vol%: 1st stage 18.0 vol%, 2nd stage 25.0 vol%
Alarm Indication	1st stage: Orange LED blinks, flowing Orange status lamp 2nd stage: Red LED blinks, flowing Red status lamp Buzzer: more than 70dB/1m
External Output	Gas concentration analog output: 4-20mA DC Gas alarm contact for 1st and 2nd stage: 1a non-voltage Latching (standard) or non-latching
Other Functions	Maintenance mode, alarm stop
Operating Temperature	-10 to 40 degrees C, 30 to 85% RH
Power Source	24V DC +/-10%
Power Consumption	Monitoring: 1W, During alarm: 3W
Dimensions	W82×H150×D35mm (excluding protrusions)
Weight	Approx. 300g
Options	Separate Sensor Unit KS-70F, Battery Unit KS-7xB

Dimensions



Indicator Unit

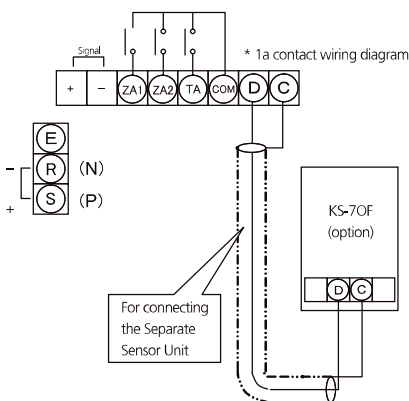


Indicator Unit V3 type M

Option

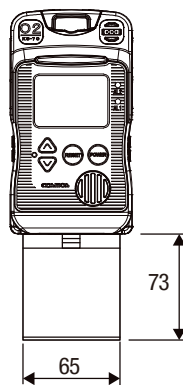
Model	KS-7xB
Battery Unit	Power Source: 4xAA dry cell battery Continuous Use: Approx. 8800hrs (at 20 degrees C, without alarm, backlight off) Dimensions: W65×H73×D25mm
Model	KS-70F
Separate Sensor Unit	Extension Cable: Within 50m of connection cable with KS-70 Adaptive Cable: Single-conductor shielded cable (0.5 to 0.75mm ²) Within 6.5mm in diameter, within 50m in length Dimensions: W40×H87×D26mm

Terminal Arrangements



AC 100V	DC 24V	
R	P	+
S	N	-
E		Earth ground
		+ Analog output
		- 4-20mA DC
ZA1		1st alarm contact (non voltage 1a or 1b)
ZA2		2nd alarm contact (non voltage 1a or 1b)
TA		Malfunction contact (non voltage 1a or 1b)
COM		Common
D		+
C		- (Sealed)
		Terminals for the Separate Sensor Unit

Battery Unit Dimensions



Separate Sensor Unit Dimensions

