FIGARO

PRODUCT INFORMATION

GS Yuasa Oxygen Sensor SK-25

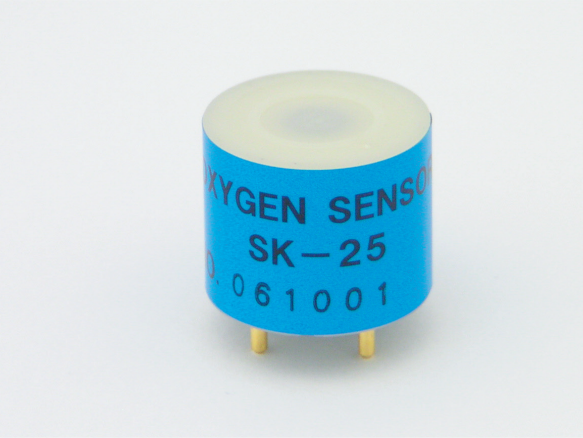
Features:

* Virtually no influence from CO_2, CO, H_2S, NOx, H_2
* Operates in normal ambient temperatures
* Good linearity
* No position dependency
* Stable output signal
* No external power supply required for sensor operation
* No warmup time is required

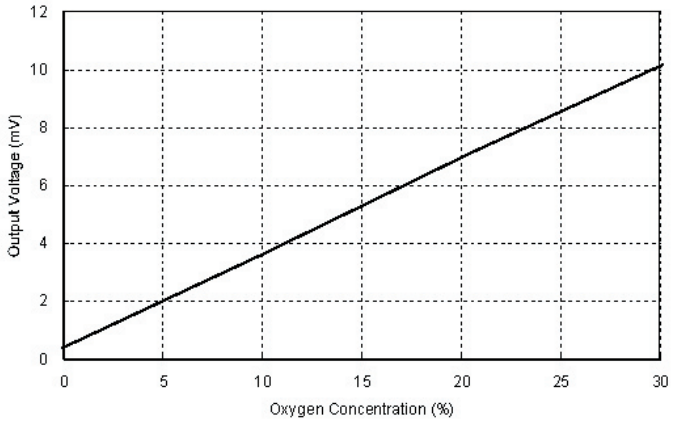
Applications:

* Biotechnology - Oxygen incubators, anaerobic cultivators
* Food industry - Refrigeration, greenhouses
* Safety - Air conditioners, oxygen detectors, fire detectors, fuel cell systems

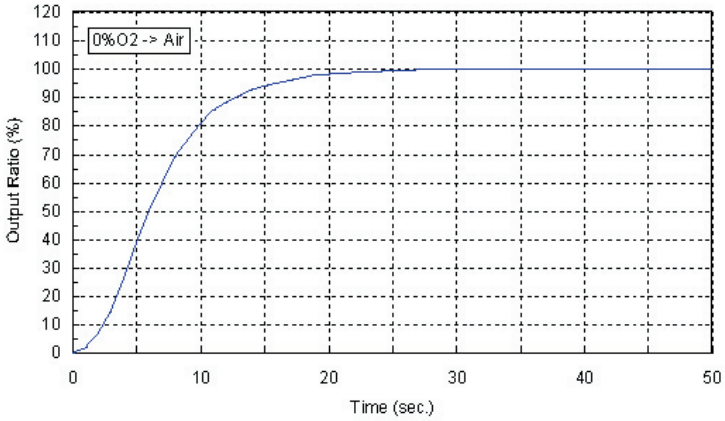
The GS YUASA Oxygen Sensor SK-25 is a unique galvanic cell type oxygen sensor. Its most notable features are no influence from CO_2, good linearity up to 30% Oxygen, and excellent chemical durability. This feature makes the sensor ideal for oxygen monitoring in various applications such as the biochemical field, food industry, and domestic safety applications.



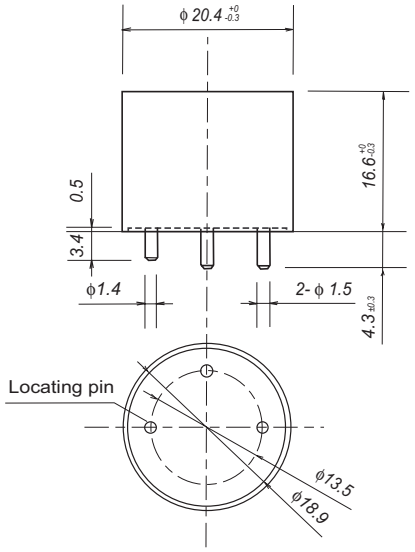
Sensitivity characteristics (typical values under std. test conditions)



Response time (typical)



Dimensions



u/m: mm
If not specified, all tolerances are ±0.2 mm

Specifications

Item		Model
		SK-25
Measurement range		0~30% O_2
Accuracy (Note 1)		±1% (full scale)
Operating conditions	Atmospheric pressure	811hPa ~1216hPa
	Temperature	5~40˚C
	Relative humidity	10 ~ 90%R.H. (no condensation)
Response time (90%)		approx. 15 seconds
Initial output voltage under standard test conditions		5.5~8.5mV
Standard test conditions	Atmospheric pressure	1013±5hPa
	Temperature	20˚C±1˚C
	Relative humidity	60±5%
Life expectyancy at 20˚C in normal air		approx 2.5 years

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