

# Figaro Oxygen Sensor SK-25F

### Features:

- \* Virtually no influence from CO<sub>2</sub>, CO, H<sub>2</sub>S, NO<sub>x</sub>, H<sub>2</sub>
- \* 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

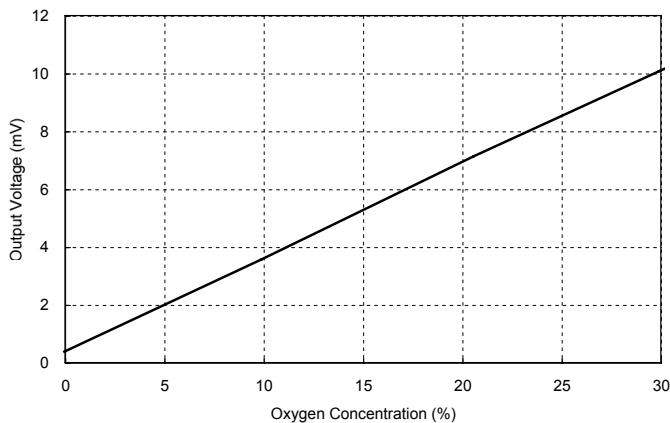
### Applications:

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

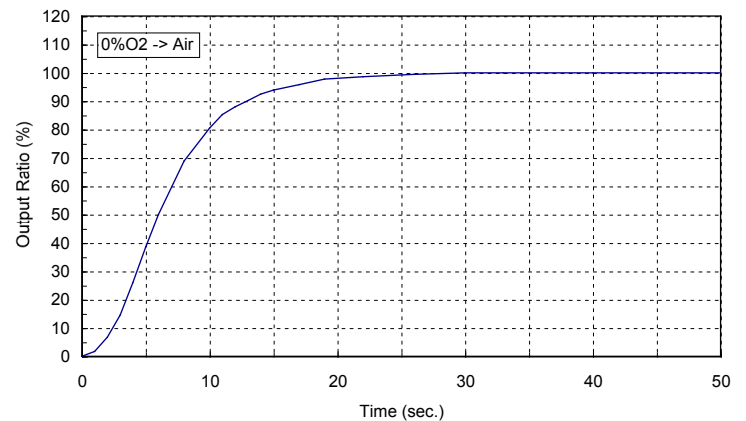
The Figaro Oxygen Sensor SK-25F is a unique galvanic cell type oxygen sensor. Its most notable features are no influence from CO<sub>2</sub>, good linearity up to 30% Oxygen, and excellent chemical durability. This feature makes the sensor ideal for oxygen monitoring in various applications such as the biochemical field, food industry, and domestic safety applications.



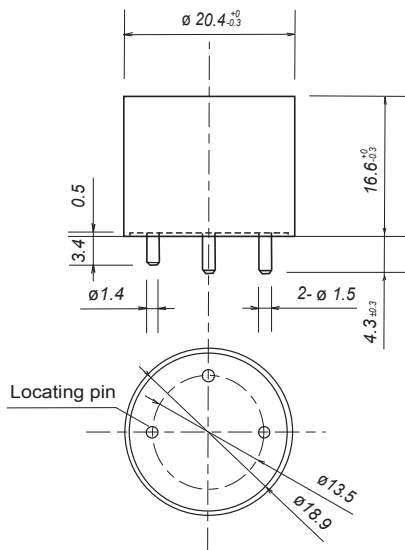
**Sensitivity characteristics** (typical values under std. test conditions)



**Response time** (typical)



## Dimensions



u/m: mm

If not specified, all tolerances are  $\pm 0.2$  mm

## Specifications

Item		Model
		SK-25F
Measurement range		0~30% O <sub>2</sub>
Accuracy (Note 1)		$\pm 1\%$ full scale
Operating conditions	Atmospheric	811hPa~1216hPa
	Temperature	0°~40°C
	Relative humidity	10~90%RH (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 $\pm$ 5hPa
	Temperature	20° $\pm$ 1°C
	Relative humidity	60 $\pm$ 5%RH
Life expectancy at 20°C in normal air		approx. 2.5 years

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