

GS Yuasa Dissolved Oxygen Sensor KDS-25B

Features:

- * Long life
- * Virtually no influence from CO₂
- * No external power supply required for sensor operation
- * No warmup time is required

Applications:

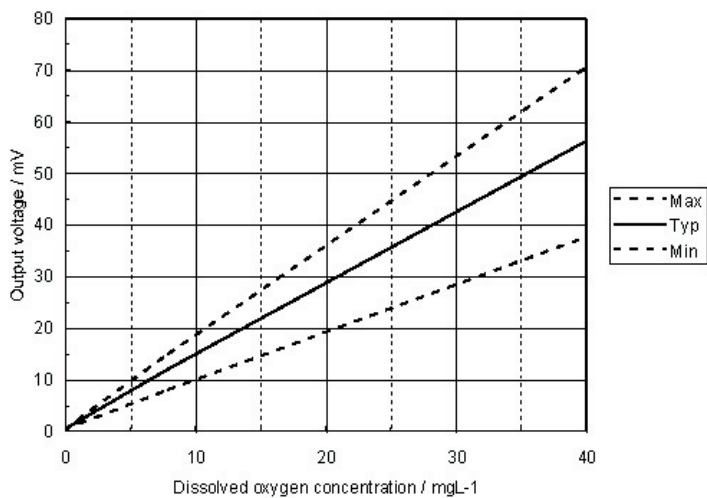
- * Water quality control

The GS Yuasa Dissolved Oxygen Sensor KDS-25B is a unique galvanic cell type sensor which was developed for water quality control. Its most notable features are long life expectancy and it is not influenced by CO₂.



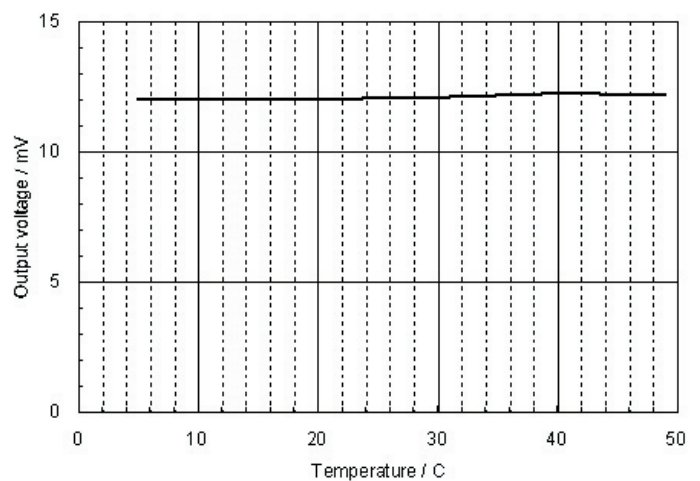
Sensitivity characteristics in 25°C water

The figure below represents typical sensitivity characteristics to dissolved oxygen, all data having been gathered at standard test conditions (see reverse side of this sheet). The X-axis is indicated as dissolved oxygen concentration in water (ppm). The Y-axis is indicated as sensor output voltage (mV).

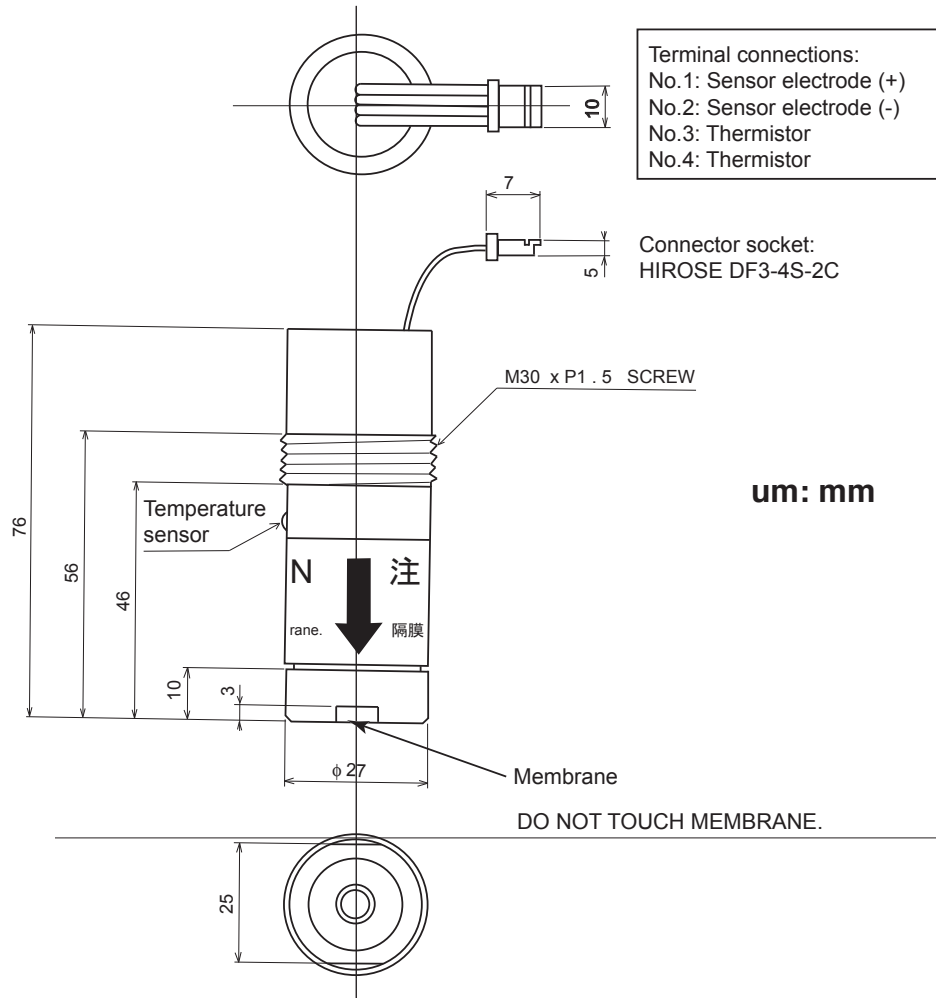


Temperature dependency (typical)

The figure below represents typical temperature dependency characteristics. The Y-axis is indicated as sensor output voltage (mV).



Dimensions



Specifications

Item	Model	
	KDS-25B	
Measurement range	0~80mg/L dissolved oxygen	
Accuracy in water at 25°C±1°C	±5% (full scale)	
Operating conditions	Atmospheric pressure	81~203kPa (corresponds to 10m of water depth)
	Temperature	5~35°C
	Relative humidity	10 ~ 90%R.H. (no condensation)
Thermal time constant	10 min. or less	
Initial output voltage in clean air under standard test conditions	8.0~15.0mV	
Standard test conditions	Atmospheric pressure	1013±5hPa
	Temperature	25°C±1°C
	Relative humidity	60±5%

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