FIGARO

PRODUCT INFORMATION

GS Yuasa Dissolved Oxygen Sensor KDS-25B

Features:

* Long life
* Virtually no influence from CO_2
* No external power supply required for sensor operation
* No warmup time is required

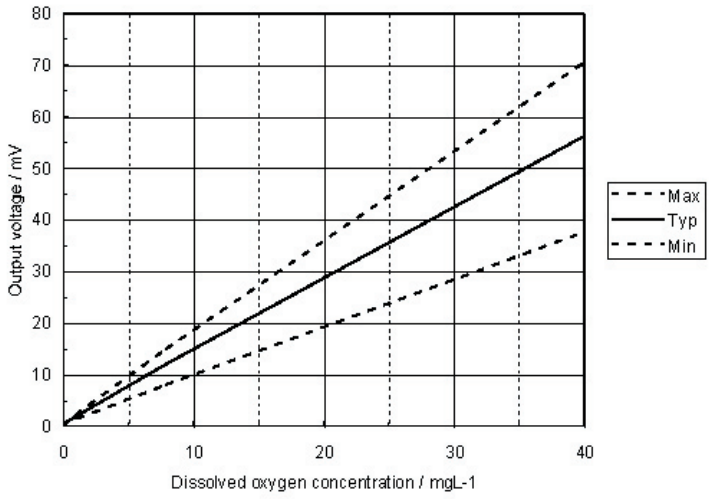
Applications:

* 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.

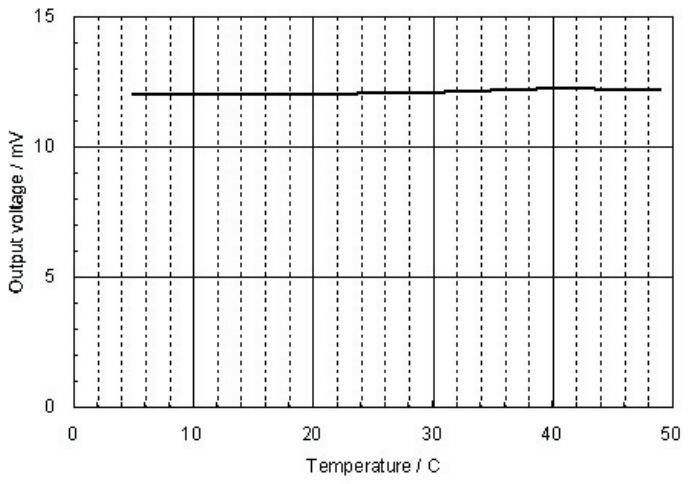
Sensitivity characteristics in 25˚C water

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).

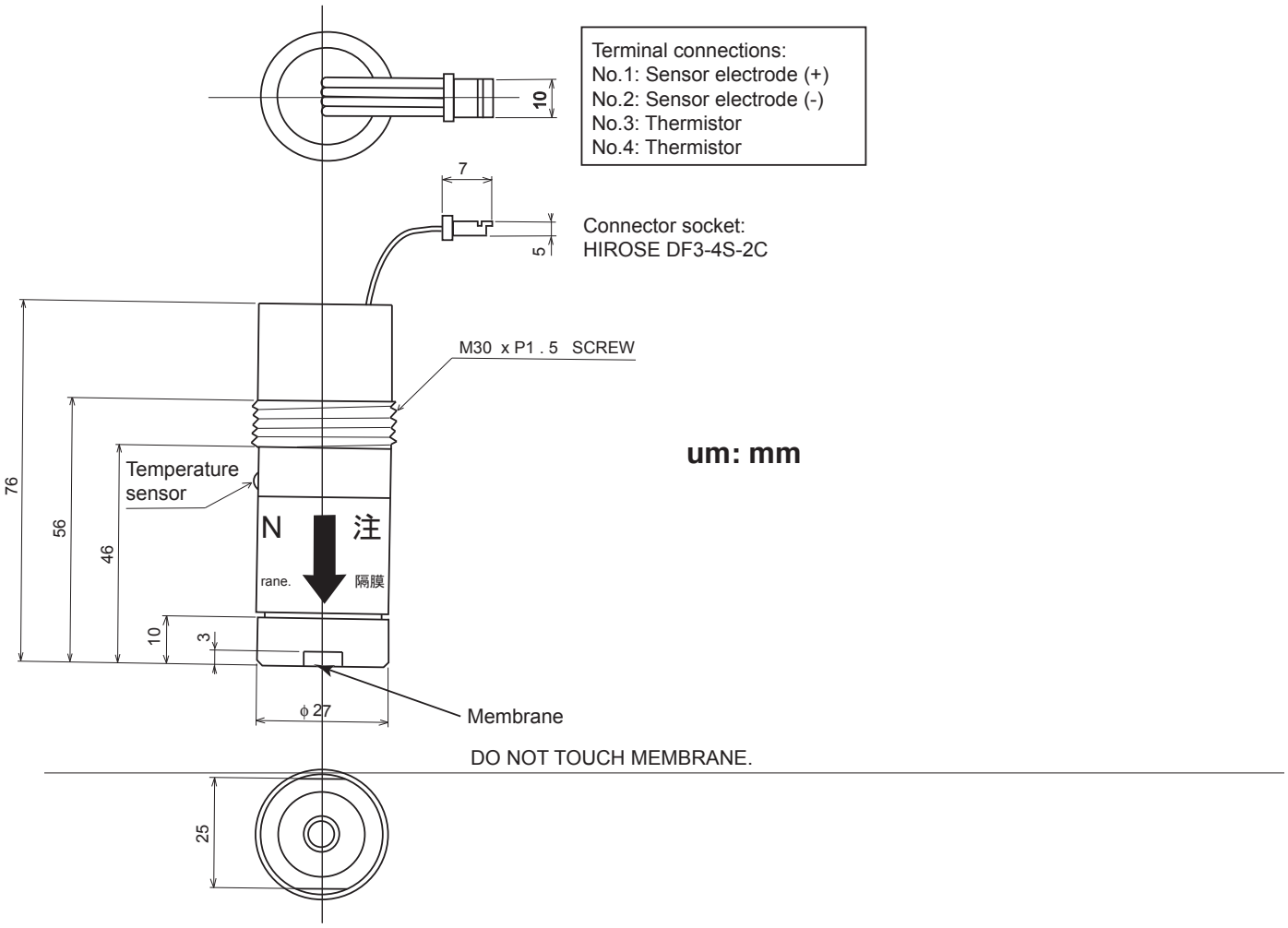


Temperature dependency (typical)

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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