

# Optical Dissolved Oxygen Sensor

RBRcoda ODO

## Specifications

### Physical

Connector:	MCBH-6MP
Depth rating:	6000m
Size:	ø28mm x 116mm
Weight in air:	~170g

### Power

Supply voltage:	7 – 15V (12V nominal)
Sampling current:	10mA for 300ms (36mJ/sample)
Quiescent current:	<10µA

### Dissolved Oxygen

Range:	0-500µM (saturation 0 – 150%)
Resolution:	<1µM (saturation 0.4%)
Initial accuracy:	Maximum of ±8µM or ±5%
Time constant:	~8s
Sampling rates:	1Hz or slower

### Temperature

Range:	-5°C to 35°C
Accuracy:	±0.002°C
Resolution:	<0.00005°C
Time constant:	~1s

### Interface

- RS232

## Output Values

- Temperature
- Dissolved O2 concentration (uncompensated) (µmol/L)
- Dissolved O2 concentration (salinity compensated) (µmol/L)
- Dissolved O2 saturation (%)
- Dissolved O2 phase (°)



## Male Pin Face View

- Pin 1 - Ground
- Pin 2 - Power
- Pin 3 - Serial data from sensor
- Pin 4 - Serial data to sensor
- Pin 5 - No connect
- Pin 6 - Do not connect

