

# OPTICAL DISSOLVED OXYGEN METER

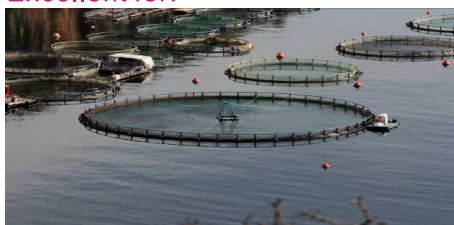
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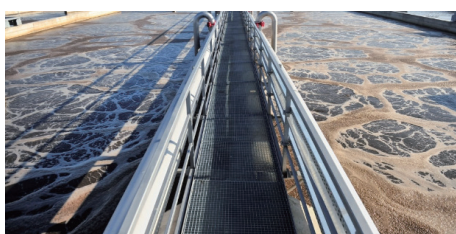
86023

## Fluorescent optical D.O probe

Excellent for:



Aquaculture



Waste water treatment

### D.O. REPLACEMENT PROBE

Membrane cap is not replaceable  
P/N: VZ86023PAZ  
Size: 26mm (dia.) x 151mm (L)  
Cable length: 3 meters long



Packed with  
storage cap and  
anti-collision cap

NPT 3/4"-14

### D.O. PROBE EXTENSION CABLE

P/N: VZ86023PAZ1  
Cable length: 3 meters long  
Dual end waterproof connector

### Ordering Code

VZ86023AZ, 86023 meter w/optical D.O. Probe  
VZ86023PAZ, 3M long cable D.O probe with  
probe tip storage protection cap  
VZ86023PAZ1, 3M long probe extension cable

\*Available for EB project

## Economic Dissolved Oxygen meter w/ fluorescent optical D.O probe 86023

- Great for low maintenance D.O. measuring work
- Remain accuracy in low oxygen range and won't be affected by acid gases
- No polarization time and no probe maintenance work
- Big LCD with D.O. & Temperature display
- Selectable % and mg/L unit for D.O. Value
- °C/°F automatic temperature compensation built-in
- Manual salinity and manual pressure compensation
- 2 points D.O. calibration available



| Model                   | 86023                                                           |
|-------------------------|-----------------------------------------------------------------|
| DO range (in mg/L)      | 0.0~20.0 mg/L                                                   |
| DO accuracy             | ±0.3mg/L at range <5mg/L<br>±0.4mg/L at range 5~20 mg/L         |
| DO resolution           | 0.1mg/L                                                         |
| DO range (in %)         | 0.0%~200.0%                                                     |
| DO accuracy             | ±3% of F.S                                                      |
| DO resolution           | 0.1 %                                                           |
| Temp. range             | 0~40.0°C/32~104°F                                               |
| Temp. accuracy          | +/-0.5°C/0.9°F                                                  |
| Temp. resolution        | 0.1°C                                                           |
| Auto Temp. Compensation | 0.0~40.0°C/32~104°F                                             |
| Manual Compensation     | INCLUDED                                                        |
| Salinity range          | 0.0~55.0 ppt                                                    |
| Salinity res.           | 0.1 ppt                                                         |
| Barometric pressure     | Manual compensation (50.0 ~ 115.0 kPa)                          |
| Pressure res.           | 0.1 kPa                                                         |
| D.O. Calibration points | 0.0% and 100.0%                                                 |
| LCD size                | 32.5(H)x54(W)                                                   |
| Operating temp.         | 0~50°C                                                          |
| Operating RH%           | Humidity<85%                                                    |
| Storage temp.           | 0~50°C                                                          |
| Storage RH%             | Humidity < 80%                                                  |
| Sensor response time    | <30 seconds for D.O., <90 seconds for Temp.                     |
| Sensor life time        | >1 year (with good maintenance)                                 |
| Dimension               | 169(L)x78.3(W)x43.4(H)                                          |
| Weight                  | 400g                                                            |
| Battery                 | 6pcs AAA                                                        |
| Power consumption       | 10 hours operation                                              |
| Standard Package        | Meter /D.O. Probe/6pcs AAA batteries/<br>hard carry case/manual |