

# DISSOLVED OXYGEN (D.O.) PEN

NEW



## Robust Design

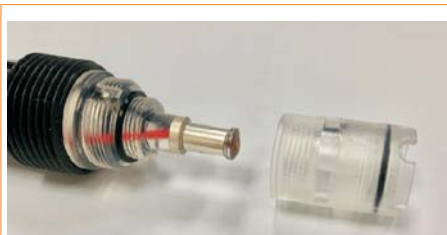
Clever probe design to ensure you get accurate reading without damaging sensing tip



Anti-collision cap  
(55mm L \* 30mm dia.)  
Is included.

## Easy Maintain

Simply re-fill electrolyte and replace membrane cap every 6 months to keep measuring accurate



*This high accuracy D.O. probe is made of dual precious metals.*

**D.O. REPLACEMENT PROBE**  
P/N: VZ8413PAZ  
Size: 20(dia.) x 130mm(l)  
Cable length : 3 meters

## Ordering Code

VZ8413AZ, 8413 meter w/8413P D.O. Probe  
VZ8413AZ1, 8413 meter w/ 5M long 8413P Probe  
VZ8413PAZ, 3M long cable D.O probe with protection cap for 84131/8413,  
VZ8413PAZ1, 5M long cable D.O probe with protection cap for 84131/8413  
VZ84PAAZ, 5 membrane cap w/2 electrolyte set

## Dissolved Oxygen Pen w/ long cable probe 8413

- Big LCD with D.O. & Temperature display
- 100% D.O. calibration in air. Chemical is not required
- Easy replaceable thin membrane kit with high sensitivity
- Refill electrolyte quickly. Simple to maintain
- Selectable % and mg/L unit for D.O. Value
- °C/°F automatic temperature compensation built-in
- Manual salinity and barometric pressure compensation
- Environment green re-chargable battery via type C port
- Brightness adjustable backlight for dark places



Auto Power Off



Low Battery



HOLD



Auto Temp. Compensation



Metric/Imperial



Backlight



IP65



USB TypeC for power charging



| Model                   | 8413                                                                                                                     |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------|
| DO range (in mg/L)      | 0.00~20.00 mg/L                                                                                                          |
| DO accuracy             | +/-0.4 mg/L                                                                                                              |
| DO resolution           | 0.01 mg/L                                                                                                                |
| DO range (in %)         | 0.0~199.9                                                                                                                |
| DO accuracy             | +/-3% F.S                                                                                                                |
| DO resolution           | 0.1 %                                                                                                                    |
| Temp. range             | 0~50.0°C/32~122°F                                                                                                        |
| Temp. accuracy          | +/-0.5°C/0.9°F                                                                                                           |
| Temp. resolution        | 0.1°C                                                                                                                    |
| Auto Temp. Compensation | 10~40.0°C/50~104°F                                                                                                       |
| Manual Compensation     | INCLUDED                                                                                                                 |
| Salinity range          | 0.0~45.0 ppt                                                                                                             |
| Salinity res.           | 0.1 ppt                                                                                                                  |
| Barometric pressure     | 500~760mmHg/101.3~66.7Kpa                                                                                                |
| Pressure res.           | 1mmHg/0.1KPa                                                                                                             |
| LCD size                | 30(H)x18(W)mm                                                                                                            |
| Operating temp.         | 0~40°C                                                                                                                   |
| Operating RH%           | Humidity<85%                                                                                                             |
| Storage temp.           | 0~40°C                                                                                                                   |
| Storage RH%             | Humidity < 80%                                                                                                           |
| Sensor response time    | <30 seconds                                                                                                              |
| Sensor warmup time      | <60 seconds after power up                                                                                               |
| Sensor life time        | >6 months (with good maintenance)                                                                                        |
| Dimension               | 176(L)x39(W)x39(H)                                                                                                       |
| Weight                  | 265g                                                                                                                     |
| Battery                 | 3.7V@500mAh re-chargable battery                                                                                         |
| Power consumption       | 60 hours operation (no backlight condition)                                                                              |
| Re-charging time        | 1.5 hours                                                                                                                |
| Standard Package        | Meter (with bat. Built-in)/D.O. Probe/Electrolyte /2pcs membrane kits/USB-type C charging cable/hard storage case/manual |



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