

*Pen type, IP 67*

# DISSOLVED OXYGEN METER

Model : PDO-519

*ISO-9001, CE, IEC1010*



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*

*Pen type, auto calibration*

# DISSOLVED OXYGEN METER

Model : PDO-519

| FEATURES  |  |
|---|--|
| * This Digital Dissolved Oxygen Meter is supplied with a polarographic type probe with an incorporated Temp. sensor which serves for precise Dissolved Oxygen ( DO ) and Temp. measurement. |  |
| * Applications for Aquarium, Medical research, Agriculture, Fish hatcheries, Laboratory, Water conditioning, Mining industry, Schools & Colleges, Quality control...                        |  |
| * Heavy duty dissolved oxygen probe, probe head size can connect with BOD bottle  |  |
| * All in one Pen type Dissolved Oxygen Meter, easy operation.   |  |
| * Automatic Temp. compensation from 0 to 50 °C for sensor.  |  |
| * Microprocessor circuit assures high accuracy and provides special functions and features.   |  |
| * Multi-display, show Dissolved oxygen and temperature at the same time.  |  |
| * Build in temperature °C, °F measurement.  |  |
| * Temperature unit can default to °C or °F.   |  |
| * LCD with two display, easy readout.   |  |
| * Auto power off to save the battery life.  |  |
| * IP-67 Water resistance.   |  |
| * Records Maximum and Minimum readings with recall.   |  |
| * Data hold function for freezing the desired value.  |  |
| * Use the durable, long-lasting components, including a heavy duty & compact ABS-plastic housing case.  |  |

| SPECIFICATIONS           |  |  |
|--------------------------|--|--|
| Display                  | LCD size : 29 mm x 28 mm. Dual function LCD  |  |
| Circuit                  | Custom one-chip of microprocessor LSI circuit.   |  |
| Measurement & Range      | Dissolved Oxygen   | 0 to 20.0 mg/L ( liter ).                    |
|                          | Air Oxygen   | 0 to 100.0 % . * For reference only          |
|                          | Temperature  | 0 to 50 °C .                                 |
| Resolution               | Dissolved Oxygen   | 0.1 mg/L.                                    |
|                          | Oxygen in Air  | 0.1 % O <sub>2</sub> .                       |
|                          | Temperature  | 0.1 °C .                                     |
| Accuracy<br>(23± 5 °C)   | Dissolved Oxygen   | ± 0.4 mg/L.                                  |
|                          | Oxygen in Air  | ± 0.7% O <sub>2</sub> . * For reference only |
|                          | Temperature  | ± 0.8 °C/1.5 °F.                             |
| Sensor Structure         | The polarographic type oxygen probe with an incorporated Temp. sensor.   |  |
| Temp. Compensation       | 0 to 50 °C , * Automatic adjustment  |  |
| Recall                   | Records Maximum, Minimum readings with recall.   |  |
| Power off                | Auto power off saves battery life, or manual off by push button.   |  |
| Data Hold                | Freeze the display reading.  |  |
| Sampling Time of display | Approx. 1 second.  |  |
| Operating Temp.          | 0 to 50 °C .   |  |
| Operating Humidity       | Less than 80% RH.  |  |
| Power Supply             | DC 1.5V battery ( UM-4/AAA ) x 4 PCs.  |  |
| Power Current            | Approx. DC 6.2 mA.   |  |
| Weight                   | 176 g/0.39 LB. * Include probe and battery.  |  |
| Protection               | IP-65 : 0 to 50 °C . IP-67 : 0 to 30 °C .  |  |
| Dimension                | 180 x 40 x 40 mm ( 7.1 x 1.6 x 1.6 inch ).   |  |
| Accessories Included     | Soft carrying case ( CA-05A )..... 1 PC.<br>Operation manual..... 1 PC.<br>Spare Probe head with Diaphragm OXHD-04..... 2 sets<br>Probe-filling Electrolyte OXEL-03..... 1 set |  |
| Optional Accessories     | * Spare Probe head with Diaphragm set.....OXHD-04<br>* Probe-filling Electrolyte.....OXEL-03<br>* Hard carrying case.....CA-06   |  |

\* Appearance and specifications listed in this brochure are subject to change without notice.