YSI Pro1020 pH/ORP/Dissolved Oxygen/Temperature
Portable dissolved oxygen meter with pH or ORP

Easy to use, rugged and reliable, the YSI Pro1020 provides everything you need in a handheld instrument for the measurement of dissolved oxygen, temperature and either pH or ORP. User-replaceable sensors and cables, 50 data set memory, and convenient calibration routine makes it user friendly. A true field instrument; Mil-spec (military spec) connectors, IP67 waterproof, rubber over molded case, and 1-meter drop tests ensure durability to provide years of sampling even in the harshest field conditions.

- User-replaceable cables and sensors provide versatility, reduce down time and reduce overall cost of ownership.
- Available with 1- 4- 10- 20- and 30-m cable lengths standard (cable management kit included on all cables 4-m and longer).
- Smart calibration; the instrument remembers the previous calibration values and simply walks you through the routine (quick DO cal with the push of 2 buttons).
- Stores 50 data sets; no need to write down data.
- Large graphic, backlit display and glow in the dark keypad. Usable in any lighting condition. The display is also visible when wearing polarized sunglasses.
- Tough. IP67, impact-resistant, waterproof case. Waterproof without the battery cover as well.
- Rubber over molded case provides extra durability. Military spec connectors are unsurpassed for ruggedness.
- Multiple languages: English, Spanish, French, and Portuguese.
- Choose either polarographic or galvanic DO sensors.
- Quick response times; 95% DO response time in approximately 8 seconds with standard membrane (fastest response time in the market).
- 3-year instrument; 2-year cable; 1-year sensor warranty (6-months Galvanic DO)
## Pro1020 System Specifications (Instrument, Probe, and Cable)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Temperature</strong></td>
<td>Range: -5 to 55°C (0 to 45°C for DO compensation range for mg/L)</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.1°C</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±0.2°C</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>Range: 0 to 14 pH units</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.01</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±0.2</td>
</tr>
<tr>
<td><strong>ORP</strong></td>
<td>Range: -1500 to 1500 mV</td>
</tr>
<tr>
<td>Resolution</td>
<td>1 mV</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±0.2 mV</td>
</tr>
<tr>
<td><strong>Dissolved Oxygen (% saturation)</strong></td>
<td>0 to 500% air saturation</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.1% or 1% air saturation (user selectable)</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±2% of the reading or ±2% air saturation, whichever is greater; 200 to 500% air saturation, ±6% of the reading</td>
</tr>
<tr>
<td><strong>Dissolved Oxygen (mg/L)</strong></td>
<td>Range: 0 to 50 mg/L</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.01 or 0.1 mg/L (user selectable)</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±0.2</td>
</tr>
<tr>
<td><strong>Barometer</strong></td>
<td>Range: 500 to 800 mmHg</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.1 mmHg</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±5 mmHg within ±15°C of calibration temperature</td>
</tr>
</tbody>
</table>

## Pro1020 Additional Specifications

- **Size**: 8.3 cm width x 21.6 cm length x 5.7 cm depth (3.25 in. x 8.5 in. x 2.25 in.)
- **Weight with Batteries**: 475 grams (1.05 lbs.)
- **Power**: 2 alkaline C-cells providing ~425 hours of battery life (without backlight); low battery indicator when 1 hour is left
- **Cables**: 1, 4, 10, 20, and 30-m lengths (3.28, 13.1, 32.8, 65.6 and 98.4 ft.)
- **Warranty**: 3-year instrument; 2-year cable; 1-year most sensors; 6-months for galvanic DO
- **Data Memory**: 50 data sets
- **Languages**: English, Spanish, Portuguese, French
- **Certifications**: RoHS, CE, WEEE, IP67 waterproof, 1-meter drop test

## Pro1020 Ordering Information

(order items separately) Full range of accessories available at YSI.com/pro1020

- **6051020**: Pro1020 Handheld instrument
- **6051020-1**: 1-m cable with temp/pH or ORP sensor port/Dissolved Oxygen sensor port
- **6051020-4**: 4-m cable with temp/pH or ORP sensor port/Dissolved Oxygen sensor port; includes cable management kit
- **6051020-10**: 10-m cable with temp/pH or ORP sensor port/Dissolved Oxygen sensor port; includes cable management kit
- **6051020-20**: 20-m cable with temp/pH or ORP sensor port/Dissolved Oxygen sensor port; includes cable management kit
- **6051020-30**: 30-m cable with temp/pH or ORP sensor port/Dissolved Oxygen sensor port; includes cable management kit
- **605101**: pH Sensor (not included with cable purchase)
- **605216**: Amplified pH Sensor Kit and extension adapter (not included with cable purchase)
- **605323**: Amplified pH Sensor Only (not included with cable purchase)
- **605102**: ORP Sensor (not included with cable purchase)
- **605202**: Galvanic Dissolved Oxygen Sensor (not included with cable purchase)
- **605203**: Polarographic Dissolved Oxygen Sensor (not included with cable purchase)
- **603075**: Carrying Case, soft-sided (large case)
- **603162**: Carrying Case, soft-sided (small case, accommodates up to 4-meter cable)
- **603074**: Carrying Case, hard-sided (large case)
- **603070**: Shoulder Strap
- **603824**: pH Buffers, assorted case; 2 pints each of 4, 7, and 10 buffer (separate buffer cases also available)
- **605306**: Replacement Standard Membrane Kit for 605203 Polarographic Sensor; 1.25 mil PE, 6 Caps with Solution; included with sensor purchase
- **605913**: Replacement Standard Membrane Kit for 605202 Galvanic Sensor; 1.25 mil, 6 Caps with Solution; included with sensor purchase

YSI
1725 Brannum Lane, Yellow Springs, OH 45387
Tel +1 937.767.7241  800.897.4151 (US)
environmental@ysi.com
@YSIinc
YSI.com