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YSI Pro20 Dissolved Oxygen/Temperature

Portable dissolved oxygen meter for the lab or field!

Rugged and reliable, the YSI Pro20 provides everything you need in a handheld dissolved oxygen instrument. User-replaceable sensors and cables, 50 data set memory, and convenient One Touch Cal feature makes it user friendly. Mil-spec (military spec) connectors, IP67 waterproof and rubber over molded case, and 1-meter drop tests ensure the instrument remains in your hands to provide years of sampling even in the harshest field conditions. Fast response times allow you to complete your sampling routine quickly, saving time and money:

- 3-year instrument; 2-year cable warranty
- User-replaceable cables and sensors. Choose polarographic or galvanic for the field or a self-stirring BOD probe for the lab.
- One Touch Cal allows easy DO calibrations within 3 seconds with the press of a button. Automatic barometric pressure compensation.
- Stores 50 data sets; no need to write down data
- Graphic, backlit display and glow in the dark keypad.
- Available with 1- 4- 10- 20- 30- and 100-m cable lengths standard (special order up to 100-meter cables in 10-meter increments).
- Tough. IP67, impact-resistant, waterproof case even without the battery cover. Rubber over molded case provides extra durability. Military spec connectors.
- A true field instrument - the display is visible with polarized sunglasses on.
- Quick response times; 95% response time in approximately 8 seconds with standard membrane (fastest response time in the market).
- Multiple languages include English, Spanish, French, and German.

Parameters:

Dissolved Oxygen % and mg/L
(electrochemical)

Temperature

BOD (biochemical oxygen demand)



Scan this QR code with your smart phone or tablet to watch the 2minute video spec sheet.

The Pro20 is an ideal meter for field work and lab BODs. Tough, smart and versatile.

Pro20 System Specifications (Instrument, Probe, and Cable)

Temperature	Range	-5 to 55°C (0 to 45°C; DO compensation range for mg/L)
	Resolution	0.1°C
	Accuracy	±0.3°C
Dissolved Oxygen % Saturation (galvanic or polarographic)	Range	0 to 500%
	Resolution	0.1% or 1% air saturation (user selectable)
	Accuracy	0 to 200% air saturation, ± 2% of the reading or ±2% air saturation, whichever is greater; 200 to 500% air saturation, ± 6% of the reading
Dissolved Oxygen mg/L (galvanic or polarographic)	Range	0 to 50 mg/L
	Resolution	0.01 or 0.1 mg/L (user selectable)
	Accuracy	0 to 20 mg/L, ± 2% of the reading or ±0.2 mg/L, whichever is greater; 20 to 50 mg/L, ± 6% of the reading
Barometer	Range	400 to 999.9 mmHg
	Resolution	0.1 mmHg
	Accuracy	±5 mmHg within ±5°C temperature range from calibration point

Pro20 Additional Specifications

Size	8.3 cm width x 21.6 cm length x 2.3 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 400 hours of battery life; low battery indicator on Pro20
Cables*	1- 4- 10- 20- 30- and 100-m lengths (special order up to 100-m) (3.28, 13.1, 32.8, 65.6, 98 ft.)
Warranty	3-year instrument; 2-year cable; 1-year Polarographic sensors; 6-months Galvanic sensors
Salinity Input Range	0-70 ppt; manual (automatically compensates for manual input value)
Data Memory	50 data sets
Languages	English, Spanish, German, French
Certifications	RoHS, CE, WEEE, IP67 waterproof, 1-meter drop test

Pro20 Ordering Information (order items separately or as a kit) Full range of accessories available at YSI.com/pro20

6050020		Pro20 Handheld instrument
60520-1		1-m cable for DO/temp
60520-4		4-m cable for DO/temp (includes cable management kit)
60520-10		10-m cable for DO/temp (includes cable management kit)
60520-20		20-m cable for DO/temp (includes cable management kit)
60520-30		30-m cable for DO/temp (includes cable management kit)
60520-100		100-m cable for DO/temp
605780		Self-stirring BOD probe with 2-m (6 ft.) cable included
605202		Galvanic Sensor for any cable
605203		Polarographic Sensor for any cable
603168	BOD Kit, US	Pro20 meter, ProBOD self-stirring BOD probe, Lab Dock, US power supply (073035)
603222	BOD Kit, INT	Pro20 meter, ProBOD self-stirring BOD probe, Lab Dock, International power supply (073047)
603169	Pol DO Lab/Field, 4-m	Pro20 meter, ProBOD self-stirring BOD probe, 4-meter field cable with polarographic DO probe, Lab Dock, US power supply (073035), soft-sided carrying case (603162)
603170	Gal DO, 4-m	Pro20 meter, 4-meter field cable with galvanic DO probe, soft-sided carrying case (603162)
603171	Pol DO, 4-m	Pro20 meter, 4-meter field cable with polarographic DO probe, soft-sided carrying case (603162)
603172	Gal DO, 10-m	Pro20 meter, 10-meter field cable with galvanic DO probe, soft-sided carrying case (603162)
603173	Pol DO, 10-m	Pro20 meter, 10-meter field cable with polarographic DO probe, soft-sided carrying case (603162)
603077		Flow cell, 203 mL, with single port adapter
603075		Soft-sided carrying case (larger) or 603162 Soft-sided carrying case (smaller)
603074		Hard-sided carrying case

* Special order cable lengths up to 100-meters in 10-meter increments available.

YSI

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