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YSI Pro2030 DO/Conductivity/Temperature Portable Dissolved Oxygen and Conductivity meter



Parameters:

Conductivity
Specific Conductance
Salinity
Total Dissolved Solids (TDS)
Dissolved Oxygen
Temperature

Rugged and reliable, the YSI Pro2030 provides everything you need in a handheld dissolved oxygen instrument with conductivity. Automatically compensates DO readings for changes in salinity. User-replaceable DO sensors and cables, 50 data set memory, and simple DO calibration makes the Pro2030 user friendly. Rugged design 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; 1-year sensor warranty (DO)
- User-replaceable cables and sensors. Super-stable four-electrode conductivity sensor built into the cable.
- Smart calibration in the instrument remembers the previous calibration values and simply walks you through the routine.
- 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- and 30-m cable lengths standard.
- Tough. IP67, impact-resistant, waterproof case. Waterproof without the battery cover as well. Rubber over molded case provides extra durability. Military spec connectors.
- A true field instrument - the display is visible with polarized sunglasses on.
- Multiple languages include 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)

The Pro2030 is an ideal meter for field work and the ideal replacement for the Model 85. Tough, smart and versatile.

Pro2030 System Specifications (Instrument, Probe, and Cable)

TDissolved Oxygen (% saturation)	Sensor Type	Polarographic or Galvanic
	Range	0 to 500% air saturation
	Accuracy	0 to 200% air saturation, $\pm 2\%$ of the reading or $\pm 2\%$ air saturation, whichever is greater; 200 to 500% air saturation, $\pm 6\%$ of the reading
	Resolution	0.1% or 1% air saturation (user selectable)
Dissolved Oxygen (mg/L)	Sensor Type	Polarographic or Galvanic
	Range	0 to 50 mg/L
	Accuracy	0 to 20 mg/L, $\pm 2\%$ of the reading or ± 0.2 mg/L, whichever is greater; 20 to 50 mg/L, $\pm 6\%$ of the reading
Conductivity (mS, uS)	Resolution	0.01 or 0.1 mg/L (user selectable)
	Sensor Type	Four-electrode cell
	Range	0 to 200 mS/cm (auto range)
Salinity (ppt, PSU)	Accuracy	1-m or 4-m cable, $\pm 1.0\%$ of reading or 1.0 uS/cm, whichever greater; 10- 20- or 30-m cable, $\pm 2.0\%$ of reading or 1.0 uS/cm, whichever is greater
	Resolution	0.0001 to 0.1 mS/cm (range dependent)
	Range	0 to 70 ppt
Temperature (°C, °F)	Accuracy	$\pm 1.0\%$ of the reading or 0.1 ppt, whichever is greater
	Resolution	0.1 ppt
	Range	-5 to 55°C (0 to 45°C; DO compensation range for mg/L)
Total Dissolved Solids (TDS) (mg/L, g/L)	Accuracy	$\pm 0.3^\circ\text{C}$
	Resolution	0.1°C
	Range	-5 to 55°C (0 to 45°C; DO compensation range for mg/L)
Barometer (mmHg, inHg, mbars, Psi, KPa)	Accuracy	$\pm 0.3^\circ\text{C}$
	Resolution	0.1°C
	Range	0 to 100 g/L TDS constant range 0.30 to 1.00 (0.65 default)
Barometer (mmHg, inHg, mbars, Psi, KPa)	Accuracy	Dependent on temp and conductivity; calculated from those parameters
	Resolution	0.0001, 0.01, 0.1 g/L
	Range	500 to 800 mmHg
Barometer (mmHg, inHg, mbars, Psi, KPa)	Accuracy	± 5 mm Hg within $\pm 15^\circ\text{C}$ of calibration temperature
	Resolution	0.1 mm Hg

Pro2030 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 (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.)
Salinity Input Range	0-70 ppt; automatic based on conductivity
Conductivity Reference Temperature	Adjustable; range 15°C to 25°C
Specific Conductance Temperature Compensation	0 to 4%
Warranty	3-year instrument; 2-year cable; 1-year sensor (DO)
Data Memory	50 data sets
Languages	English, Spanish, Portuguese, French
Certifications	RoHS, CE, WEEE, IP67 waterproof, 1-meter drop test

Pro2030 Ordering Information (order items separately) Full range of accessories available at YSI.com/pro2030

6052030	Pro2030 Handheld instrument
6052030-1	1-m cable with built-in conductivity sensor and temp/Dissolved Oxygen sensor port
6052030-4	4-m cable with built-in conductivity sensor and temp/Dissolved Oxygen sensor port; includes cable management kit
6052030-10	10-m cable with built-in conductivity sensor and temp/Dissolved Oxygen sensor port; includes cable management kit
6052030-20	20-m cable with built-in conductivity sensor and temp/Dissolved Oxygen sensor port; includes cable management kit
6052030-30	30-m cable with built-in conductivity sensor and temp/Dissolved Oxygen sensor port; includes cable management kit
605202	Galvanic Dissolved Oxygen Sensor
605203	Polarographic Dissolved Oxygen Sensor
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)
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



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