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YSI Pro30 Conductivity Instrument

Handheld Conductivity, Salinity, Specific Conductance, TDS (total dissolved solids), Temperature



Parameters:

Conductivity

Specific Conductance

Salinity

Total Dissolved Solids (TDS)

Temperature

Rugged and reliable, the YSI Pro30 is ideal in any field application for the measurement of conductivity. The Pro30 features user-replaceable cables in lengths up to 30-meters, 50 data set memory, and a simple calibration routine. True field performance is verified with the IP-67 waterproof and impact resistant case - drop tested at 1-meter. Additionally, the YSI super-stable 4-electrode conductivity cell is so reliable it is built directly into the 2-year warranty cable.

- 3-year instrument; 2-year cable and sensor warranty
- User-replaceable cables. Conductivity sensor built into cable. Choose among 1-, 4-, 10-, 20-, or 30-meter cables.
- Fast cal routine allows easy calibrations with the press of a button. 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
- Tough. IP-67, impact-resistant, waterproof case even without the battery cover. Rubber over molded case provides extra durability.
- Rugged, military spec connectors. Bayonet style with keyed-quarter-turn lock.
- Super-stable, weighted 4-electrode conductivity sensor is built in for true field performance and designed for rugged conditions. Easily cleaned with a conductivity cleaning brush.

The Pro30 is an ideal meter for field work. Tough, smart and versatile. Replacement for the Model 30 conductivity handheld.

Pro30 System Specifications (instrument w/ cable and sensor)

Conductivity (mS, μ S)	Sensor Type	Four-electrode cell
	Range	0 to 200 mS/cm (auto range)
	Accuracy	1- or 4-m cable, $\pm 1.0\%$ of the reading or 1.0 μ S/cm, whichever is greater; 10-, 20-, or 30-m cable, $\pm 2.0\%$ of the reading or 1.0 μ S/cm, whichever is greater
	Resolution	0.0001 to 0.1 mS/cm (range dependent)
Salinity (ppt, PSU)	Range	Calculated - 0 to 70 ppt
	Accuracy	$\pm 1.0\%$ of the reading or 0.1 ppt, whichever is greater
	Resolution	0.1 ppt
Temperature ($^{\circ}$ C, $^{\circ}$ F)	Range	-5 to 55 $^{\circ}$ C (23 $^{\circ}$ C to 131 $^{\circ}$ C)
	Accuracy	± 0.2 $^{\circ}$ C
	Resolution	0.1 $^{\circ}$ C
Total Dissolved Solids (TDS) (kg/L, g/L)	Range	Calculated - 0 to 100 g/L TDS; constant range 0.30 to 1.00 (0.65 default)
	Accuracy	Dependent on temp, conductivity and TDS constant; calculated from those parameters
	Resolution	0.001, 0.01, 0.1 g/L

Pro30 Instrument Specifications

Conductivity	$\pm 0.5\%$ of reading or 1.0 μ S/cm, whichever greater
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 400 hours of battery life; low battery indicator on Pro30
Cables	1- 4- 10- 20- and 30-m lengths (3.28, 13.1, 32.8, 65.6 ft.)
Warranty	3-year instrument; 2-year cable and sensor
TDS Constant Range	Adjustable; 0.3-1.0
Conductivity Reference Temp	Adjustable; range 15 $^{\circ}$ C to 25 $^{\circ}$ C
Specific Conductance Temp Comp	Adjustable; 0 to 4%
Data Memory	50 data sets
Languages	English, Spanish, German, French
Certifications	RoHS, CE, WEEE, IP-67 waterproof, 1-meter drop test

Pro30 Ordering Information (order items separately) Full range of accessories available at YSI.com/pro30

60530	Pro30 Handheld instrument
60530-X	1- 4- 10- 20- or 30-m cable with Cond/temp sensors (cable management kit included on all except 1-meter)
603075	Large, Soft-sided carrying case
603074	Hard-sided carrying case
603162	Small, Soft-sided carrying case (accommodates up to 10-meter cables)
603069	Belt clip to attach instrument to belt
603070	Shoulder strap
038213	Conductivity cell cleaning brush
063517	Ultra clamp (attach to instrument to secure it to a desk, boat, etc)
063507	Small tripod (attach to instrument to sit on any flat surface)
626444	Lab Dock (instrument dock)
603062	Cable management kit (included with 4- 10- 20- and 30-m cables)
605978	Cable weight, 4.9 oz., attach to stainless steel tip
3161	1,000 μ S/cm calibrator; quart
3163	10,000 μ S/cm calibrator; quart
3165	100,000 μ S/cm calibrator; quart
3167	1,000 μ S/cm calibrator; 8 each pints
3168	10,000 μ S/cm calibrator; 8 each pints
3169	50,000 μ S/cm calibrator; 8 each pints

* Conductivity sensors are built into the cable and are included with all cables.

YSI

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