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Environmental
Monitoring



YSI ProDSS

Multiparameter water quality meter



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ProDSS

The **YSI ProDSS** is a rugged, user-friendly instrument featuring a 4-port cable assembly for multiparameter monitoring. It offers optional GPS and depth sensors.

In addition to its impact-resistant, waterproof handheld display, the ProDSS has features that make field sampling faster and easier.



User-replaceable cables with universal sensor ports



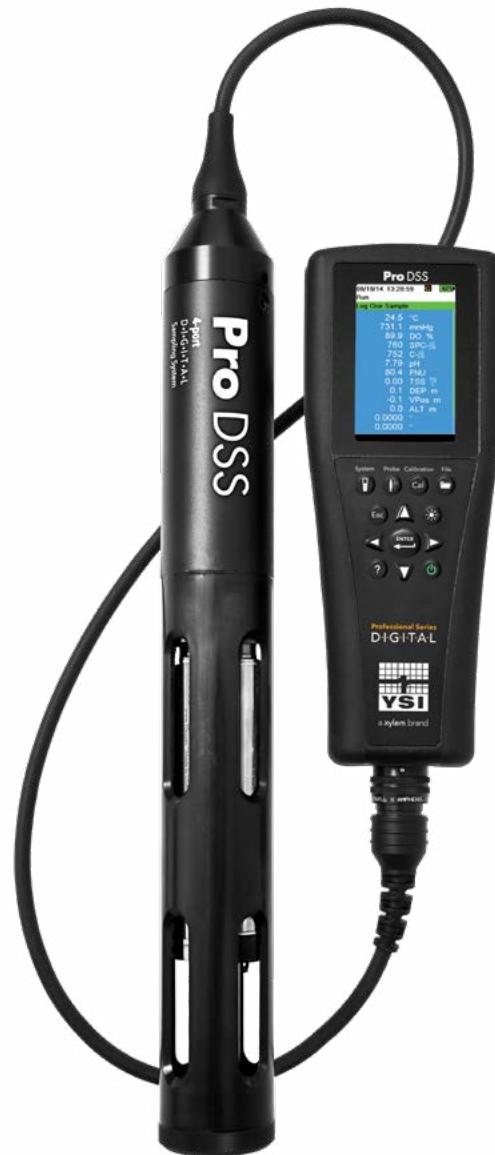
Rechargeable lithium-ion battery



Data management through Kor Software and Kor Mobile



100,000+ data set memory

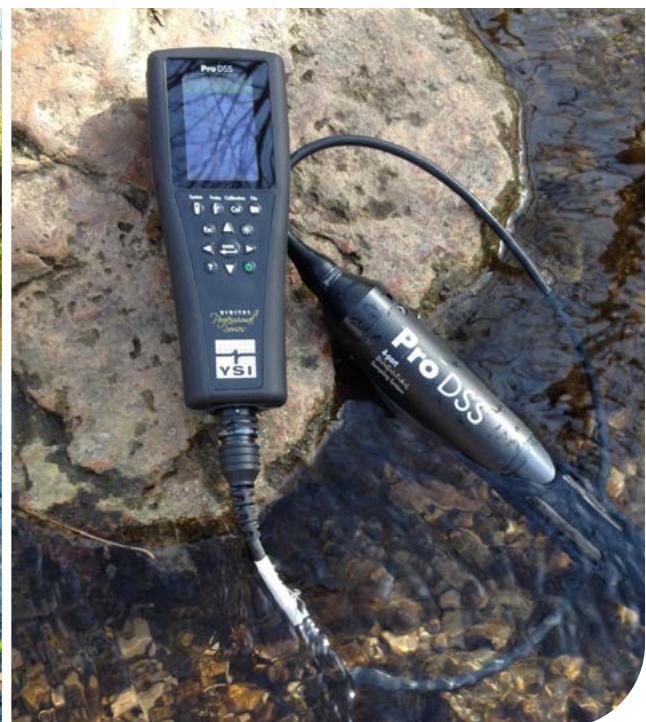
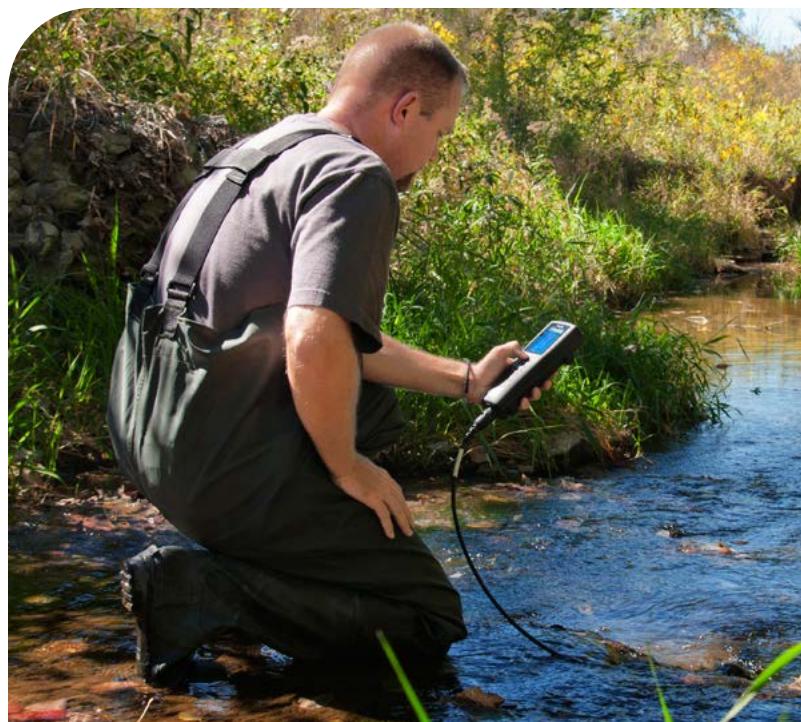


ProDSS 4-port cable

Connect any four smart sensors for unparalleled performance, including Conductivity/Temperature, Optical Dissolved Oxygen, Turbidity, and Total Algae. Optional GPS and depth sensors allow for even more comprehensive data.

ProDSS handheld specifications

Size (W x L x D)	8.3 cm x 21.6 cm x 5.6 cm (3.25 in x 8.5 in x 2.21 in)
Display	Color, LCD graphic display; 3.9 x 6.5 cm
Weight (with batteries)	567 grams (1.25 lbs)
Power	Rechargeable lithium-ion battery pack
Operating temperature	0 to 50 °C
Storage temperature	0 to 45 °C (with battery installed) 0 to 60 °C (without battery installed)
Available smart sensors	Optical Dissolved Oxygen, Conductivity/Temperature, pH, pH/ORP, Turbidity, Ammonium ISE, Chloride ISE, Nitrate ISE, Total Algae - Phycocyanin, Total-Algae - Phycoerythrin
4-port field cable	No Depth: 1-, 4-, 10-, 20-, 30-, 60-, and 90-meter lengths with military-spec connectors With Depth: 4-, 10-, 20-, 30-, 60-, 90-, and 100-meter lengths with military-spec connectors
Additional cable options	1-port cable with or without depth; ODO/T cable with integral optical dissolved oxygen and temperature, ODO/CT cable with integral optical dissolved oxygen, conductivity, and temperature; ProOBOD self-stirring optical BOD lab probe
Connectivity	Built-in micro USB
GPS	Optional internal GPS
Warranty	3-year instrument; 2-year cable; 1-year sensor
Waterproof	IP-67; floats
Data management	Kor Software for Windows; Kor Mobile for iOS and Android
Data memory	>100,000 data sets
Languages	English, Spanish, German, French, Italian, Norwegian, Portuguese, Japanese, Chinese, Korean, Thai
Certifications	RoHS, CE, WEEE, FCC, UN Part 11, SECTION 38.3, Test methods for lithium-ion batteries, IP-67, 1-meter drop test



ProDSS sensor specifications (Instrument, sensor, and cable)

	Range	Resolution	Accuracy	User calibration
Temperature (°C, °F, K)	-5 to 70 °C	0.1 °C	±0.2°C	
Dissolved Oxygen (mg/L, ppm, % air saturation)	0 to 50 mg/L; 0 to 500% air saturation	0.1 or 0.01 (user-selectable), 0.1% or 1% air saturation	0 to 20 mg/L: ±1% of reading or 0.1 mg/L, whichever is greater 20 to 50 mg/L: ±8% of reading 0 to 200%: ±1% of reading or 1% air saturation, whichever is greater 200 to 500%: ±8% of reading	1- or 2-point with zero
Conductivity/ Specific Conductance (µS/cm, mS/cm)	0 to 200 mS/cm	0.001, 0.01, 0.1 (range-dependent)	0 to 100 mS/cm: ±0.5% of reading or 0.001 mS/cm, whichever is greater 100 to 200 mS/cm: ±1% of reading	1-point
Salinity (ppt, PSU)	0 to 70 ppt	0.1 ppt	±1.0% of the reading of 0.1 ppt, whichever is greater	1-point
Resistivity (Ω*cm, kΩ*cm, MΩ*cm)	0 to 2000 Ω	0.001, 0.01, 0.1 Ω*cm	±0.1% full scale	
Total dissolved solids (TDS) (mg/L, kg/L, g/L)	0 to 100 g/L, Cal constant range 0.30 to 1.00 (0.65 default)	0.001, 0.01, 0.1 g/L	Not specified	
Ammonium ISE (mg/L-N, mV)	0 to 200 mg/L-NH ₄ ⁺ , 0 to 30 °C	0.01 mg/L	±10% of reading or 2 mg/L-NH ₄ ⁺ , whichever is greater	1-, 2-, or 3-point (user-selectable)
Chloride ISE (mg/L-Cl, mV)	0 to 1000 mg/L-Cl ⁻	0.01 mg/L	±15% of reading or 5 mg/L-Cl ⁻ , whichever is greater	1-, 2-, or 3-point (user-selectable)
Nitrate ISE (mg/L, mV)	0 to 200 mg/L-NO ₃ ⁻	0.01 mg/L	±10% of reading or 2 mg/L-NO ₃ ⁻ , whichever is greater	1-, 2-, or 3-point (user-selectable)
pH	0 to 14 pH units	0.01 units	±0.2 units	1-, 2-, or 3-point (user-selectable)
ORP	-999 to 999 mV	0.1 mV	±20 mV	1-point
Total Algae – Chlorophyll + Phycocyanin (RFU, µg/L)	Chlorophyll: 0 to 100 RFU, 0 to 400 µg/L Phycocyanin: 0 to 100 RFU, 0 to 100 µg/L	0.01 RFU, 0.01 µg/L	Linearity: $r^2 \geq 0.999$ for Rhodamine WT across full range	1- or 2-point (user-selectable)
Total Algae – Chlorophyll + Phycoerythrin (RFU, µg/L)	Chlorophyll: 0 to 100 RFU, 0 to 400 µg/L Phycoerythrin: 0 to 100 RFU, 0 to 280 µg/L	0.01 RFU, 0.01 µg/L	Linearity: $r^2 \geq 0.999$ for Rhodamine WT across full range	1- or 2-point (user-selectable)
Turbidity (FNU, NTU)	0 to 4000 FNU	0.01 FNU	0 to 999 FNU: 0.3 FNU or ±2% of reading, whichever is greater 1000 to 4000 FNU: ±5% of reading	
Depth (Optional) (meters, feet)	0 to 100 m	0.001	1, 4, 10 m cables: ±0.004 m 20 m or higher cables: ±0.04 m	
Barometer (mmHg, inHg, mbar, psi, kPa)	375 to 825 mmHg	0.1 mmHg	±1.5 mmHg from 0 to 50 °C	1-point



YSI Incorporated
1725 Brannum Lane
Yellow Springs, OH 45387

Tel +1 937.767.7241
Email info@ysi.com
ysi.com



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Let's Solve Water