

ProDSS - Product Description/Sample Copy

YSI ProDSS - Digital Sampling System

YSI's ProDSS is a revolutionary handheld instrument for water quality spot-sampling and profiling in the most demanding field conditions. The ProDSS is the most advanced handheld instrument available and can measure a wide range of parameters including dissolved oxygen (optical), pH, ORP, turbidity, conductivity, temperature, depth, nitrate, chloride, ammonium and more.

Digital Sampling System - Smart and Easy-to-Use

The ProDSS is a digital instrument with smart sensors that store calibration information and are auto-recognized by the instrument. Any sensor can be installed in any of the 4 sensor ports, allowing for measurement of any combination of parameters. The ProDSS handheld features a menu-driven user interface and an on-board help key/function.

Advanced Features and Durable Design

The ProDSS features a graphic, backlit, color display and a backlit keypad for visibility and easy menu navigation in all lighting conditions. The ProDSS utilizes a rechargeable lithium-ion battery pack. The ProDSS can be ordered with or without built-in GPS. GPS coordinates can be stored with measurement data for geo-mapping in the provided PC data management software, KorDSS. The instrument features a rugged, waterproof case (IP-67 rated) with rubber over-mold and metal, military-spec (MS) cable connectors.

Customizable

The ProDSS handheld, cable (cable management kit included with 10, 20, and 30 meter cables) and sensors are sold separately to provide you many options when "building" a ProDSS. The handheld features optional built-in GPS capability while the cables (up to 100 meters) have an optional depth sensor. A whole suite of accessories are also available to complete your system.

Download Data to PC or Transfer to USB Stick

The ProDSS features a built-in micro USB On-The-Go port for connection to a PC or USB stick. KorDSS software, a powerful PC data management program for the ProDSS, is included with each instrument. The ProDSS internal memory allows for logging > 100,000 data sets, plus 100 sites, 100 Data IDs and 400 GLP records.

Included with ProDSS Instrument: rechargeable lithium-ion battery (pre-installed), hand strap, USB cable for charging the ProDSS battery and for connection to a PC, AC charger, cable for connection to a USB memory stick, ProDSS quick start guide, and USB memory stick containing KorDSS software and digital copy of the manual.

Note: Sensors, cables, and accessories are ordered separately.

ProDSS features:

- Single cable design features universal ports which can accept any 4 sensors plus depth.
- Digital smart sensors store calibration data and are auto-recognized by the ProDSS
- Graphic, backlit, color display and backlit keypad; GPS option; rechargeable battery
- Menu-driven instrument allows for easy operation and quick calibration
- > 100,000 data-set memory; KorDSS PC data software included
- GLP compliant; detailed GLP information is available to view, download or print.
- Built-in USB On-The-Go port for recharging the lithium-ion battery and data transfer
- Rugged, waterproof case (IP-67 rated) with rubber over-mold and metal, military-spec (MS) cable connectors as well as rugged titanium sensors
- Choose from 1 to 100 meter cable lengths, with or without depth option
- Warranty: 3-year instrument; 2-year cable and sensors; 1-year pH and pH/ORP sensor modules; 6-months ammonium, nitrate and chloride sensor modules.



User-replaceable cables and smart sensors provide versatility, reducing instrument down time and the overall cost of ownership. Sensors can easily be replaced in the field.



Parameters:
Dissolved Oxygen (Optical)
Turbidity
pH
ORP/Redox
Conductivity
Specific Conductance
Salinity
Total Dissolved Solids (TDS)
Resistivity
Seawater Density
Total Suspended Solids (TSS)
Depth
Ammonium
Ammonia
Chloride
Nitrate
Temperature

