



YSI Environmental

**NEW**

## YSI 556 Multiprobe System

### Versatile, multiparameter handheld instrument

Rugged and reliable, the YSI 556 MPS (Multiprobe System) combines the versatility of an easy-to-use, easy-to-read handheld unit with all the functionality of a multiparameter system.

- Simultaneously measures dissolved oxygen, pH, conductivity, temperature, and ORP
- Field-replaceable electrodes
- Compatible with EcoWatch™ for Windows™ data analysis software
- Stores over 49,000 data sets, time and date stamped, interval or manual logging
- Three-year warranty on the instrument; one-year on the probes
- GLP assisting, records calibration data in memory
- Available with 4, 10, and 20 m cable lengths
- IP-67, impact-resistant, waterproof case
- Easy-to-use, screw-on cap DO membranes
- RS-232 interface for PC connection

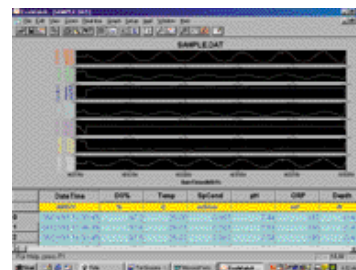


Pure  
Data for a  
Healthy  
Planet.™

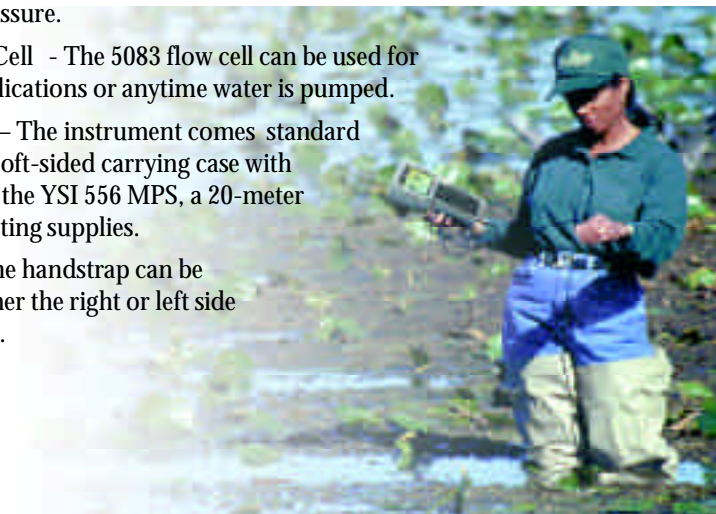
*A rugged, cost-effective  
Multiprobe System —  
designed for the field!*

### Packed With Features!

- Battery Options – The unit is powered by alkaline batteries or an optional rechargeable battery pack with quick-charge feature.
- Optional Barometer – Internal barometer can be user-calibrated and displayed along with other data, used in dissolved oxygen calibrations, and logged to memory for tracking changes in barometric pressure.
- Optional Flow Cell – The 5083 flow cell can be used for groundwater applications or anytime water is pumped.
- Carrying Case – The instrument comes standard with YSI 5061, a soft-sided carrying case with enough space for the YSI 556 MPS, a 20-meter cable, and calibrating supplies.
- Handstrap – The handstrap can be connected on either the right or left side of the instrument.



*EcoWatch™ software screen shot*



[www.YSI.com](http://www.YSI.com)



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Data for a  
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To order or for more  
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ISO 9001  
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Who's Minding  
the Planet?™

## YSI 5563 MPS Sensor Specifications

<b>Dissolved Oxygen</b> (% saturation)	<b>Sensor Type</b>	Steady state polarographic
	<b>Range</b>	0 to 500% air saturation
	<b>Accuracy</b>	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
	<b>Resolution</b>	0.1% air saturation
<b>Dissolved Oxygen</b> (mg/L)	<b>Sensor Type</b>	Steady state polarographic
	<b>Range</b>	0 to 50 mg/L
	<b>Accuracy</b>	0 to 20 mg/L, $\pm 2\%$ of the reading or $\pm 0.2$ mg/L, whichever is greater; 20 to 50 mg/L, $\pm 6\%$ of the reading
	<b>Resolution</b>	0.01 mg/L
<b>Temperature</b>	<b>Sensor Type</b>	YSI Temperature Precision™ thermistor
	<b>Range</b>	-5 to 45°C
	<b>Accuracy</b>	$\pm 0.15^\circ\text{C}$
	<b>Resolution</b>	0.1°C
<b>Conductivity</b>	<b>Sensor Type</b>	4-electrode cell with autoranging
	<b>Range</b>	0 to 200 mS/cm
	<b>Accuracy</b>	$\pm 0.5\%$ of reading or $\pm 0.001$ mS/cm; whichever is greater (4 meter cable) $\pm 1.0\%$ of reading or $\pm 0.001$ mS/cm; whichever is greater (20 meter cable)
	<b>Resolution</b>	0.001 mS/cm to 0.1 mS/cm (range-dependent)
<b>Salinity</b>	<b>Sensor Type</b>	Calculated from conductivity and temperature
	<b>Range</b>	0 to 70 ppt
	<b>Accuracy</b>	$\pm 1.0\%$ of reading or $\pm 0.1$ ppt, whichever is greater
	<b>Resolution</b>	0.01 ppt
<b>pH</b> (optional)	<b>Sensor Type</b>	Glass combination electrode
	<b>Range</b>	0 to 14 units
	<b>Accuracy</b>	$\pm 0.2$ units
	<b>Resolution</b>	0.01 units
<b>ORP</b> (optional)	<b>Sensor Type</b>	Platinum button
	<b>Range</b>	-999 to +999 mV
	<b>Accuracy</b>	$\pm 20$ mV
	<b>Resolution</b>	0.1 mV
<b>Total Dissolved Solids</b> (TDS)	<b>Sensor Type</b>	Calculated from conductivity (variable constant, default 0.65)
	<b>Range</b>	0 to 100 g/L
	<b>Resolution</b>	4 digits
<b>Barometer</b> (optional)	<b>Range</b>	500 to 800 mm Hg
	<b>Accuracy</b>	$\pm 3$ mm Hg within $\pm 15^\circ\text{C}$ temperature range from calibration point
	<b>Resolution</b>	0.1 mm Hg

## YSI 556 Instrument Specifications

<b>Size</b>	11.9 cm width x 22.9 cm length (4.7 in. x 9 in.)
<b>Weight with batteries</b>	2.1 lbs. (916 grams)
<b>Power</b>	4 alkaline C-cells; optional rechargeable pack
<b>Cables</b>	4, 10, and 20 m (13.1, 32.8, 65.6 ft.) lengths
<b>Warranty</b>	3-year for the instrument; 1-year for the probes and cable
<b>Communication Port</b>	RS-232 Serial
<b>Data Logger</b>	49,000 Data sets with date and time stamp, manual or logging, with user-selectable save rate

### Order instrument, cable, and accessories separately.

<b>556-01</b>	Instrument (with 5061 large, soft-sided carrying case)
<b>556-02</b>	Instrument with barometer option
<b>5563-4</b>	4 m cable and DO/temp/conductivity
<b>5563-10</b>	10 m cable and DO/temp/conductivity
<b>5563-20</b>	20 m cable and DO/temp/conductivity
<b>5564</b>	pH Probe
<b>5565</b>	pH/ORP Probe
<b>6118</b>	Rechargeable battery pack kit (includes battery, adapter, charger)
<b>614</b>	Ultra clamp, C-clamp mount
<b>616</b>	Charger, cigarette lighter
<b>4654</b>	Tripod
<b>5060</b>	Small carrying case, soft-sided (fits instrument and 4 m cable)
<b>5061</b>	Large carrying case, soft-sided (comes with 556 standard)
<b>5065</b>	Form-fitted carrier with shoulder strap
<b>5080</b>	Small carrying case, hard-sided (fits instrument and 4 m cable)
<b>5083</b>	Flow cell
<b>5085</b>	Hands-free harness
<b>5094</b>	Rechargeable battery pack kit, Europe
<b>5095</b>	Rechargeable battery pack kit, Australia
<b>6081</b>	Large carrying case, hard-sided (fits instrument and 20 m cable)
<b>6075</b>	EcoWatch™ for Windows™

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see the YSI 556 MPS feature  
page which outlines the  
advantages and benefits of  
this new technology at  
[www.YSI.com/556MPS](http://www.YSI.com/556MPS)