

# Optical Dissolved Oxygen Meters

## YSI ProSolo ODO/T & ODO/CT Meters & ProOBOD Probe

The ProSolo DIGITAL water quality meter features an advanced optical dissolved oxygen (ODO) probe that can be combined with either a temperature (ODO/T) or conductivity (ODO/CT) sensor. The ProSOLO handheld meets the demands of field work with a large LCD graphic display, waterproof case and interchangeable military-spec cable connector. User-replaceable cables are available in lengths that range from 1 to 100 meters.

### FEATURES

#### Electrochemical Sensor:

- No stirring ODO sensor technology
- Less drift over time; holds calibration longer
- No membrane or electrolyte; less maintenance
- Real-time salinity compensation of DO measurements (ODO/CT)
- 2 Year Warranty (cable, probe, and ODO sensor cap)

#### ProSolo DIGITAL Handheld:

- Ergonomic comfortable grip
- Easy-to-read color display and backlit keypad
- Waterproof IP-67 rating
- Military-Spec (MS) cable connector
- Long-life rechargeable lithium-ion battery
- Large onboard memory; export to included USB flash drive
- Barometric pressure
- 3 Year Warranty



**CALL GEOTECH TODAY (800) 833-7958**

**Geotech Environmental Equipment, Inc.**

2650 East 40th Avenue • Denver, Colorado 80205

(303) 320-4764 • (800) 833-7958 • FAX (303) 322-7242

email: sales@geotechenv.com website: www.geotechenv.com

# YSI ProSolo ODO/T & ODO/CT Meters

## SPECIFICATIONS

### ProSolo Handheld

<b>Dimensions</b>	8.3 cm width x 21.6 cm length x 5.6 cm depth; 567 g (with battery)
<b>Power</b>	Rechargeable lithium-ion battery pack provides ~48 hours with the handheld only; Battery recharge time is ~ 9 hours with the AC power adapter; The instrument can also be powered via AC or external power through the USB port
<b>Operating Temperature</b>	0 to 50°C
<b>Storage Temperature</b>	0 to 45°C with battery installed; 0 to 60°C without battery installed
<b>Display</b>	Color, LCD graphic display; 3.9 cm width x 6.5 cm height
<b>Memory</b>	>100,000 data sets
<b>Barometer</b> Units: mmHg, inHg, mbar, psi, kPa, atm	Range: 375 to 825 mmHg; Accuracy: $\pm 1.5$ mmHg from 0 to 50°C; Resolution: 0.1 mmHg
<b>Sites and Data ID</b>	100 user-defined sites and 100 user-defined data ID tags; Site pictures can be sent to the handheld via KorDSS Software
<b>Calibration Records</b>	400 detailed calibration records can be stored and are available to view, download, and print (printing only available via KorDSS Software)
<b>Languages</b>	English, Spanish, German, French, Italian, Norwegian, Portuguese, Japanese, Chinese (Simplified & Traditional), Korean, Thai
<b>Certifications</b>	CEC, CE; RoHS; IP-67; WEEE; FCC; UN Part III, Section 38.3, Test methods for lithium-ion batteries (Class 9)
<b>Warranty</b>	3 years on handheld

### ODO/T Probe

<b>Size</b>	2.46 cm diameter, cable options for 1, 4, 10, 20, 30, 50, and 100 m lengths
<b>Dissolved Oxygen</b> (Optical luminescence) Units: % saturation, % saturation local, mg/L, ppm	Range: 0 to 500%, 0 to 50 mg/L; Accuracy: 0 to 200%: $\pm 1\%$ of reading or 1% saturation, whichever is greater; 200 to 500%: $\pm 8\%$ of reading; 0 to 20 mg/L: $\pm 0.1$ mg/L or 1% of reading, whichever is greater; 20 to 50 mg/L: $\pm 8\%$ of reading; Resolution: 0.01 mg/L and 0.1%, or 0.1 mg/L and 1% (auto-adjusts based on range)
<b>Temperature</b> (Thermistor) Units: °C, °F, K	Range: -5 to 70°C (temperature compensation range for DO mg/L measurement: -5 to 50°C); Accuracy: $\pm 0.2$ °C; Resolution: 0.1°C or 0.1°F (auto-adjusts based on range)
<b>Warranty</b>	2 years on cable, probe, and ODO sensor cap

### ODO/CT probe

<b>Size</b>	2.46 cm diameter, cable options for 1, 4, 10, 20, 30, 50, and 100 m lengths
<b>Dissolved Oxygen</b> (Optical luminescence) Units: % saturation, % saturation local, mg/L, ppm	Range: 0 to 500%, 0 to 50 mg/L; Accuracy: 0 to 200%: $\pm 1\%$ of reading or 1% saturation, whichever is greater; 200 to 500%: $\pm 8\%$ of reading; 0 to 20 mg/L: $\pm 0.1$ mg/L or 1% of reading, whichever is greater; 20 to 50 mg/L: $\pm 8\%$ of reading Resolution: 0.01 mg/L and 0.1%, or 0.1 mg/L and 1% (auto-adjusts based on range)
<b>Temperature</b> (Thermistor) Units: °C, °F, K	Range: -5 to 70°C (temperature compensation range for DO mg/L measurement: -5 to 50°C); Accuracy: $\pm 0.2$ °C; Resolution: 0.1°C or 0.1°F (auto-adjusts based on range)
<b>Conductivity</b> (Four nickel electrode cell) Units: $\mu$ S/cm, mS/cm	Range: 0 to 200 mS/cm; Accuracy: 0 to 100 mS/cm $\pm 0.5\%$ of reading or .001 mS/cm, whichever is greater; 100 to 200 mS/cm $\pm 1.0\%$ of reading; Resolution: 0.001, 0.01, or 0.1 $\mu$ S (range dependent)
<b>Salinity</b> (See YSI.com for additional calculated parameters) Units: $\mu$ S/cm, mS/cm	Range: 0 to 70 ppt Accuracy: $\pm 1.0\%$ of reading or $\pm 0.1$ ppt, whichever is greater Resolution: 0.01 ppt
<b>Warranty</b>	2 years on cable, probe, and ODO sensor cap

# Optical Dissolved Oxygen Meters



## YSI ProSolo ODO/T & ODO/CT Meters

### ORDER SELECTION GUIDE

#### STEP 1 – ORDER INSTRUMENT

All instruments include a rechargeable lithium-ion battery (pre-installed), hand strap, USB cable for charging the ProSolo battery and for connection to a PC, universal AC charger, cable for connection to a USB memory stick, ProSolo quick start guide, and USB memory stick containing KorDSS software and digital copy of the user manual.

	YSI Part No.	Geotech Part No.
ProSolo Handheld	626650	72103096

#### STEP 2 – ORDER PROBE ASSEMBLY

##### ODO/T Optical Dissolved Oxygen and Temperature

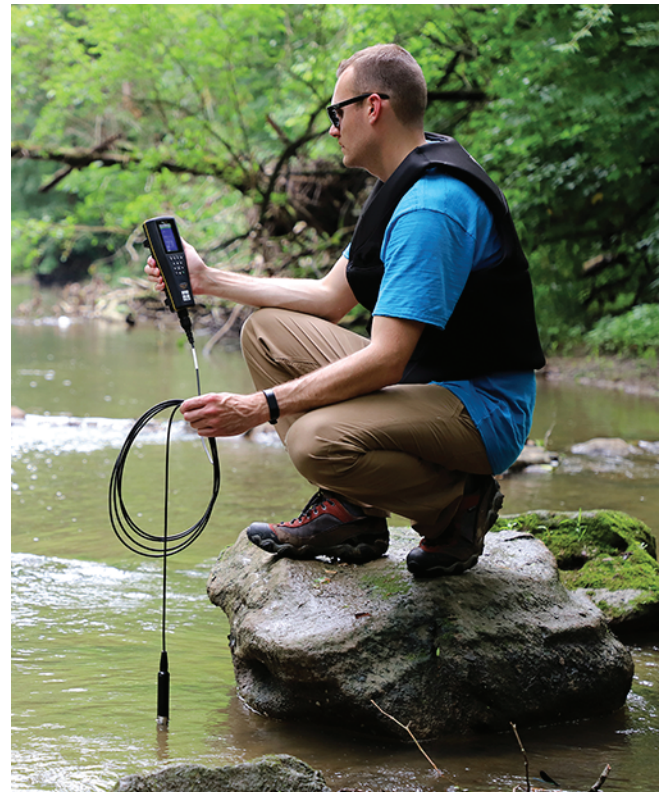
Length	YSI Part No.	Geotech Part No.
1 m	627200-1	12103592
4 m	627200-4	12103593
10 m	627200-10	12103594
20 m	627200-20	12103595
30 m	627200-30	12103596
50 m	627200-50	12103597
100 m	627200-100	12103598

##### ODO/CT Optical Dissolved Oxygen, Conductivity and Temperature

Length	YSI Part No.	Geotech Part No.
1 m	627150-1	12103571
4 m	627150-4	12103572
10 m	627150-10	12103573
20 m	627150-20	12103574
30 m	627150-30	12103575
50 m	627150-50	12103577
100 m	627150-100	12103582

#### STEP 3 – ORDER ACCESSORIES

	YSI Part No.	Geotech Part No.
Large, Hard-sided Carrying Case:	626946	12103559
Large, Soft-sided Carrying Case:	603075	12103459
Small, Hard-sided Carrying Case:	626945	12103556
Small, Soft-sided Carrying Case:	603162	12103789
Flow Cell, Extended Length:	603076	12103453
Flow Cell Mounting Spike:	603056	12103456
Flow Cell Adaptor-Single Port :	603078	12103455
Tripod Clamp:	063507	12103463
Ultra Clamp:	063517	12103462
Shoulder Strap:	603070	12103471
Belt Clip:	603069	12103461
Car Charger Adapter, USB, 12VDC:	626942	12103558
Small External USB Portable Battery Pack:	626943	not needed
Large External USB Portable Battery Pack:	626944	not needed
Calibration Cup for ODO/CT Probe Assemblies:	627195	12103585
4.9 oz. Weight:	605978	12103468



**Geotech Environmental Equipment, Inc.**  
 2650 East 40th Avenue • Denver, Colorado 80205  
 (303) 320-4764 • (800) 833-7958 • FAX (303) 322-7242  
 email: sales@geotechenv.com  
 website: www.geotechenv.com

# Optical Dissolved Oxygen Meters

## YSI ProOBOD Probe

The YSI ProOBOD probe is used with the YSI ProSolo digital water quality meter. The ProOBOD easily connects to the ProSolo handheld and makes it convenient to conduct lab BOD's with a very compact footprint.

### FEATURES

- Smart sensor retains calibration in the probe
- User-replaceable, low-maintenance sensor with +1-year life
- 2-year warranty; reliable and serviceable, design reduces cost-of-ownership and reduces down-time
- Probe body tapered to fit into a standard 300 mL BOD bottle and international versions
- Extremely quiet operation
- No warm-up time required
- Self-stirring to provide representative sample and increase response times

YSI ProOBOD Probe inserted into BOD bottle and connected to the YSI Pro instrument. All are mounted to the YSI Lab Dock.



### SPECIFICATIONS

<b>Accuracy:</b>	mg/L	0-20 mg/L, $\pm 0.1$ mg/L or $\pm 1\%$ reading, whichever greater; 20-50 mg/L, $\pm 15\%$ reading
	% Air	0-200%, $\pm 1\%$ reading or $\pm 1\%$ , whichever greater; 200-500%, $\pm 15\%$ reading
	Temperature	$\pm 0.2^\circ$ C
<b>Range:</b>	mg/L	0-50 mg/L
	% Air	0-500% air saturation
	Temperature	Ambient ( $10^\circ$ to $+40^\circ$ C); Compensation ( $-5^\circ$ to $+50^\circ$ C)
<b>Resolution:</b>	mg/L	0.01
	% Air	0.1%
	Temperature	0.1°C
<b>Warranty:</b>		2-years; 1-year sensor cap
<b>Cable Length:</b>		2-meters (6 feet)
<b>Power:</b>		External 110-230 VAC power supply with DC input to sensor
<b>Sensor Type:</b>		Optical; dynamic luminescence quenching lifetime detection
<b>Response Time:</b>		T95 = 22 seconds with stirring; T95 = 40 seconds without stirring
<b>IP Rating:</b>		IP-65
<b>Certifications:</b>		RoHS, CE, WEEE, Assembled in USA

**CALL GEOTECH TODAY (800) 833-7958**

**Geotech Environmental Equipment, Inc.**

2650 East 40th Avenue • Denver, Colorado 80205  
 (303) 320-4764 • **(800) 833-7958** • FAX (303) 322-7242  
 email: sales@geotechenv.com website: www.geotechenv.com