

The Thermo Scientific Orion Star A323 RDO/Dissolved Oxygen Portable Meter is the top choice for testing samples anywhere. It is rugged and dependable, making it ideal for every sample, every day, everywhere.

## Thermo Scientific Orion Star A323 RDO/Dissolved Oxygen Portable Meter



The Thermo Scientific Orion Star A323 RDO/Dissolved Oxygen Portable Meter is the top choice for advanced measurements on location. Get the information you need quickly and easily from the large, backlit graphic LCD display. Informative display shows dissolved oxygen in percent saturation or concentration with temperature and electrode status, time, date, sample ID, user ID and calibration points. Advanced features such as stability and averaging options provide additional options allowing for laboratory accuracy everywhere you need it.

### Features and Benefits

- Anyone can use this meter with its plain language screen prompts, soft keys that update for easy selection and a multilanguage interface that supports English, Spanish, French, Italian, German and Chinese
- No need to worry about DO probe compatibility – the meter accepts and automatically recognizes Orion polarographic and RDO optical/luminescence-based probes
- Accurate results are easy with automatic temperature, manual salinity and automatic/manual barometric pressure compensation
- Don't miss a reading – AUTO-READ™ locks in the stable reading on your screen, ready indicator alerts when readings are stable and timed reading gathers data in specific time intervals
- Calibrate using water-saturated air, air-saturated water, a Winkler titration or zero point calibration
- Non-volatile memory holds up to 5000 data points with time and date stamp
- Easily transfer data and keep meter software up-to-date with the USB and RS232 ports and complimentary data analysis software
- Four AA batteries (included) provide over 800 hours of operation or purchase the universal power adapter (sold separately) to use AC power
- Perfectly portable, waterproof and protected to take anywhere with a IP67-rated housing
- 3 year meter replacement warranty

## Thermo Scientific Orion Star A323 Dissolved Oxygen Portable Meter

### Specifications



<b>Dissolved Oxygen</b>	<b>Concentration - Polarographic</b>	
	Range	0 to 90 mg/L
	Resolution	0.01, 0.1
	Relative Accuracy	±0.2
	<b>% Saturation - Polarographic</b>	
	Range	0 to 600
	Resolution	0.1, 1
	Relative Accuracy	±2 %
	<b>Concentration - RDO</b>	
	Range	0 to 50 mg/L
	Resolution	0.01, 0.1
	Relative Accuracy	±0.1 mg/L up to 8 mg/L; ±0.2 mg/L from 8 to 20 mg/L; 10 % of reading from 20 to 50 mg/L
	<b>% Saturation - RDO</b>	
	Range	0 to 500
	Resolution	0.1, 1
Relative Accuracy	±2 %	
<b>Temperature</b>	Manual Barometric Pressure Correction	450.0 to 850.0 mm Hg
	Manual Salinity Factor Correction	0 to 45 ppt
	Calibration Features	Water saturated air, air saturated water, manual (Winkler) and zero point
	Probe Characteristics	Polarographic or RDO
	Range	0 to 50 °C, 32 to 122 °F
<b>Datalogging</b>	Resolution	0.1
	Relative Accuracy	±0.1
	Offset Calibration	1 point
<b>Inputs</b>	Number of Points	1000 with time and date stamp
	Log Function	Manual, Automatic with AUTO-READ™
	Log Edit	Delete last reading or all
<b>Output</b>	DO with Temperature Probe	9-pin mini-DIN
		RS232, USB
<b>Power</b>	AC Adapter	Optional – universal, 100-240 VAC
	Battery Power	Included – 4 AAs
	Battery Life	800 hrs

### Ordering Information

Cat. No.	Description
<b>STARA3230</b>	<b>Orion STAR A323 Dissolved Oxygen Portable Meter</b> - Four AA batteries (installed)
<b>STARA3235</b>	<b>Orion STAR A323 Dissolved Oxygen Portable Meter Kit</b> - 087010MD Orion RDO optical/luminescence-based probe with 3m cable, stainless steel guard, calibration sleeve and optical/luminescence-based cap - Protective armor with electrode holder - Hard carrying case - Four AA batteries (installed)
<b>Accessories</b>	
<b>STARA-CS</b>	Hard carrying case for Orion Star A-series portable meters
<b>STARA-AR</b>	Armor for Orion Star A-series portable meters, includes electrode holders for pH, conductivity and DO probes
<b>STARA-ESCD</b>	Conductivity and DO probe holder for Orion Star A-series armor
<b>STARA-ESPH</b>	pH electrode holder for Orion Star A-series armor
<b>1010003</b>	Optional universal power adapter, 100-240 V, 50/60 Hz
<b>087010MD</b>	Orion RDO optical DO probe, 3m cable with stainless steel guard and calibration sleeve
<b>087020MD</b>	Orion RDO optical DO probe, 6m cable with stainless steel guard and calibration sleeve
<b>087030MD</b>	Orion RDO optical DO probe, 10m cable with stainless steel guard and calibration sleeve
<b>087050MD</b>	Orion RDO optical DO probe, 15m cable with stainless steel guard and calibration sleeve
<b>087100MD</b>	Orion RDO optical DO probe, 30m cable with stainless steel guard and calibration sleeve
<b>083005MD</b>	Orion polarographic DO probe, 1.5m cable
<b>080513</b>	Orion polarographic DO probe maintenance kit
<b>080514</b>	Orion polarographic DO probe electrolyte solution, 60 mL
<b>080017</b>	Calibration sleeve for Orion polarographic DO probes
<b>087003</b>	Replacement calibration sleeve for Orion RDO optical probes
<b>087001</b>	Replacement optical cap for Orion RDO probes

For more information, contact your local Thermo Scientific products dealer or call our customer and technical service experts at 1-800-225-1480 (for the US and Canada) or visit [www.thermoscientific.com/water](http://www.thermoscientific.com/water).

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