

Thermo Scientific Orion Star A326

Premium pH/RDO/dissolved oxygen portable meter

The Thermo Scientific™ Orion™ Star A326 pH/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.



The Thermo Scientific Orion Star A326 pH/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 one or both pH and DO channels with temperature. Additional helpful information includes electrode status, time, date, sample ID, user ID and calibration points.

Features and Benefits

- Easy meter operation assured with on-screen text prompts, menu-specific function keys and a multi-language interface
- 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
- Up to 5 point pH calibration with automatic recognition for USA/NIST and DIN buffers or manual option for custom buffer values

- Easily get accurate DO results with automatic temperature, manual salinity and automatic/manual barometric pressure correction
- Calibrate DO using water-saturated air, air-saturated water, custom value using a Winkler titration or zero point calibration
- Non-volatile memory holds up to 5000 data points with time and date stamp
- Easily transfer data with the USB and RS232 ports and complimentary Orion Star Com computer software
- Four AA batteries (included) provide over 800 hours of operation or purchase the universal power adapter (sold separately)
- Perfectly portable, IP67-rated waterproof and protected to take anywhere
- 3 year meter replacement warranty



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pH/RDO/Dissolved Oxygen Portable Meter

Specifications	
pH	Range: -2.000 to 20.000 Resolution: 0.1, 0.01, 0.001 Relative Accuracy: ±0.002 Calibration Points: Up to 5 Calibration Editing: Yes
mV/RmV	Range: ±2000.0 mV Resolution: 0.1 mV Relative Accuracy: ±0.2 mV or ±0.05 % of reading whichever is greater E_H ORP Mode: Yes
Dissolved Oxygen	Polarographic Range: 0 to 600 % saturation; 0 to 90 mg/L Resolution: 0.1, 1 % sat.; 0.01, 0.1 mg/L Relative Accuracy: ±2 % sat. or ±2 % of reading, whichever is greater; ±0.2 mg/L or ±2 % of reading, whichever is greater RDO Range: 0 to 500 % saturation; 0 to 50 mg/L Resolution: 0.1, 1 % sat.; 0.01, 0.1 mg/L Relative Accuracy: ±2 % sat. ≤ 200 % sat., ±10 % sat. > 200 % sat.; ±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 Barometric Pressure Correction: 400 to 850 mmHg, automatic or manual Manual Salinity Factor Correction: 0 to 45 ppt Calibration: Water saturated air, air saturated water, manual (Winkler) and zero point
Temperature	Range: -5 to 105 °C, 23 to 221 °F (RDO/DO: 0 to 50 °C, 32 to 122 °F) Resolution: 0.1 °C, 0.1 °F Relative Accuracy: ±0.1 °C, ±0.1 °F Offset Calibration: 1 point
Datalogging	Memory: 5000 with time and date stamp Log Function: Manual, ready (includes AUTO-READ), timed
Inputs	pH Electrode: BNC, reference pin ATC Probe: 8-pin mini-DIN DO Probe: 9-pin mini-DIN
Output	RS232, USB
Power	AC Adapter: Optional—universal, 100-240 VAC Battery Power: Included—4 AAs Battery Life: 800 hrs



Meter Ordering Information	
Part No.	Description
STARA3260	Orion Star A326 pH/RDO/Dissolved Oxygen Portable Meter - Four AA batteries (installed) - Printed quick start guide and literature CD - USB computer cable
STARA3265	Orion Star A326 pH/RDO/Dissolved Oxygen Portable Meter Kit - 8107UWMMMD Orion ROSS Ultra Triode gel-filled epoxy-body pH/ATC electrode, 3 m cable - 087010MD Orion RDO optical DO probe with 3 m cable, stainless steel guard, calibration sleeve and optical cap - Orion pH 4, 7, 10 buffer pouches, 10 each - 810001 Orion ROSS storage solution, 475 mL - Protective armor with electrode holders and storage sleeve - Hard-sided field case - Four AA batteries (installed) - Printed quick start guide and literature CD - USB computer cable

Accessories Ordering Information	
Part No.	Description
STARA-CS	Orion Star A series portable meter hard-sided field case
STARA-AR	Orion Star A series portable meter armor with pH electrode holder, conductivity and DO probe holder, stand and adjustable hand-strap
STARA-ESPH	Orion pH electrode holder for portable Star A series meter armor
810017	Orion pH electrode storage sleeve for pH electrode holder
STARA-ESCD	Orion conductivity and DO probe holder for portable Star A series meter armor
8107UWMMD	Orion ROSS Ultra Triode, 3 m cable
087020MD	Orion RDO optical DO probe, 6 m cable
087030MD	Orion RDO optical DO probe, 10 m cable
087050MD	Orion RDO optical DO probe, 15 m cable
087100MD	Orion RDO optical DO probe, 30 m cable
1010003	Universal power adapter, 100-240 V, 50/60 Hz
910410-WA	Orion pH 4.01 buffer pouches, 10 pack
910710	Orion pH 7.00 buffer pouches, 10 pack
911010	Orion pH 10.01 buffer pouches, 10 pack
083005MD	Orion polarographic DO probe, 1.5 m cable



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.

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