

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.

## Thermo Scientific Orion Star A326 pH/RDO/Dissolved Oxygen Portable Meter



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 individual pH/mV/RmV or dissolved oxygen in percent saturation or concentration results with temperature, or all results at once. Additional helpful information include 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
- 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
- Fix pH calibration errors without a complete recalibration with calibration editing
- No need to worry about DO probe compatibility – the meter accepts and automatically recognizes Orion polarographic and RDO optical/luminescence-based probes
- 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, 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 on AC power
- Perfectly portable, waterproof and protected to take anywhere with a IP67-rated housing
- 3 year meter replacement warranty

## Thermo Scientific Orion Star A326 pH/RDO/Dissolved Oxygen Portable Meter

### Specifications



|                         |  |   |
|-------------------------|--|---|
| <b>pH</b>               | <b>Range</b>                                 | -2.000 to 20.000  |
|                         | <b>Resolution</b>                            | 0.1, 0.01, 0.001  |
|                         | <b>Relative Accuracy</b>                     | ±0.002  |
|                         | <b>Calibration Points</b>                    | Up to 5   |
|                         | <b>Calibration Editing</b>                   | Yes   |
| <b>mV/RmV</b>           | <b>Range</b>                                 | ±2000.0 mV  |
|                         | <b>Resolution</b>                            | 0.1   |
|                         | <b>Relative Accuracy</b>                     | ±0.2 mV or ±0.05 % of reading whichever is greater  |
|                         | <b>E<sub>H</sub> ORP Mode</b>                | Yes   |
| <b>Dissolved Oxygen</b> | <b>Concentration - Polarographic</b>         |   |
|                         | <b>Range</b>                                 | 0 to 90 mg/L  |
|                         | <b>Resolution</b>                            | 0.01, 0.1   |
|                         | <b>Relative Accuracy</b>                     | ±0.2  |
|                         | <b>% Saturation - Polarographic</b>          |   |
|                         | <b>Range</b>                                 | 0 to 600  |
|                         | <b>Resolution</b>                            | 0.1, 1  |
|                         | <b>Relative Accuracy</b>                     | ±2 %  |
|                         | <b>Concentration - RDO</b>                   |   |
|                         | <b>Range</b>                                 | 0 to 50 mg/L  |
|                         | <b>Resolution</b>                            | 0.01, 0.1   |
|                         | <b>Relative Accuracy</b>                     | ±0.1 mg/L up to 8 mg/L;<br>±0.2 mg/L from 8 to 20 mg/L;<br>10 % of reading from 20 to 50 mg/L |
|                         | <b>% Saturation - RDO</b>                    |   |
|                         | <b>Range</b>                                 | 0 to 500  |
|                         | <b>Resolution</b>                            | 0.1, 1  |
|                         | <b>Relative Accuracy</b>                     | ±2 %  |
|                         | <b>Manual Barometric Pressure Correction</b> | 450.0 to 850.0 mm Hg  |
|                         | <b>Manual Salinity Factor Correction</b>     | 0 to 45 ppt   |
|                         | <b>Calibration Features</b>                  | Water saturated air, air saturated water, manual (Winkler) and zero point                     |
|                         | <b>Probe Type</b>                            | Polarographic or RDO  |
| <b>Temperature</b>      | <b>Range</b>                                 | 0 to 50 °C, 32 to 122 °F  |
|                         | <b>Resolution</b>                            | 0.1   |
|                         | <b>Relative Accuracy</b>                     | ±0.1  |
|                         | <b>Offset Calibration</b>                    | 1 point   |
| <b>Datalogging</b>      | <b>Number of Points</b>                      | 2000 with time and date stamp   |
|                         | <b>Log Function</b>                          | Manual, ready (includes AUTO-READ™), timed  |
|                         | <b>Log Edit</b>                              | Delete individual points, group of points or all  |
| <b>Inputs</b>           | <b>pH Electrode</b>                          | BNC, reference pin  |
|                         | <b>DO with Temp. Probe</b>                   | 9-pin mini-DIN  |
| <b>Output</b>           |  | RS232, USB  |
| <b>Power</b>            | <b>AC Adapter</b>                            | Optional – universal, 100-240 VAC   |
|                         | <b>Battery Power</b>                         | Optional – 4 AAs  |
|                         | <b>Battery Life</b>                          | 800 hrs   |

### Ordering Information

| Cat. No.           | Description   |
|--------------------|---|
| <b>STARA3260</b>   | <b>Orion STAR A326 pH/RDO/Dissolved Oxygen Portable Multiparameter Meter</b><br>- Four AA batteries (installed)   |
| <b>STARA3265</b>   | <b>Orion STAR A326 pH/RDO/Dissolved Oxygen Portable Multiparameter Meter Kit</b><br>- 8107UWMMMD Orion ROSS Triode 3-in-1 pH/ATC probe, 3m cable<br>- 087010MD Orion RDO optical/luminescence-based probe with 3m cable, stainless steel guard, calibration sleeve and optical/luminescence-based cap<br>- 910410 Orion pH 4.01 buffer, 10 pouches<br>- 910710 Orion pH 7.00 buffer, 10 pouches<br>- 911010 Orion pH 10.01 buffer, 10 pouches<br>- 810001 Orion ROSS electrode storage solution, 475 mL<br>- 01100710 Orion 1413 µS conductivity standard, 10 pouches<br>- 911110 rinse solution, 10 pouches<br>- Protective armor with electrode holder<br>- Hard carrying case<br>- 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-ESPH</b>  | pH electrode holder for Orion Star A-series armor   |
| <b>STARA-ESCD</b>  | Conductivity and DO probe holder for Orion Star A-series armor  |
| <b>8107UWMMMD</b>  | Orion ROSS Triode 3-in-1 pH/ATC probe, gel-filled, 3m cable   |
| <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>1010003</b>     | Optional universal power adapter, 100-240 V, 50/60 Hz   |
| <b>910410</b>      | Orion pH 4.01 buffer pouches, 10/pk   |
| <b>910710</b>      | Orion pH 7.00 buffer pouches, 10/pk   |
| <b>911010</b>      | Orion pH 10.01 buffer pouches, 10/pk  |
| <b>911110</b>      | Orion pH rinse solution pouches, 10/pk  |
| <b>087010MD</b>    | Orion RDO optical DO probe, 3m cable with stainless steel guard and calibration sleeve  |
| <b>083005MD</b>    | Orion polarographic DO probe, 1.5m 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](http://www.thermoscientific.com/water).

©2011 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries. ROSS and the COIL tradenames are trademarks of Thermo Fisher Scientific Inc. US Patent 6,793,787.



S-STARA326-E-0811-RevA

**Water Analysis Instruments**  
[www.thermoscientific.com/water](http://www.thermoscientific.com/water)

**North America**  
166 Cummings Center  
Beverly, MA 01915 USA  
Toll Free: 1-800-225-1480  
Tel: 1-978-232-6000  
info.water@thermo.com

**Netherlands**  
Tel: (31) 033-2463887  
info.water.uk@thermo.com  
**China**  
Tel: (86) 21-68654588  
wai.asia@thermofisher.com

**India**  
Tel: (91) 22-4175-8800  
wai.asia@thermofisher.com  
**Singapore**  
Tel: (65) 6778-6876  
wai.asia@thermofisher.com

**Japan**  
Tel: (81) 045-453-9175  
wai.asia@thermofisher.com

**Australia**  
Tel: (613) 9757-4300  
infowaterau@thermofisher.com

**Thermo**  
SCIENTIFIC