Thermo Scientific Orion Star A113

Basic dissolved oxygen benchtop meter

Thermo Scientific™ Orion™ Star A113 Dissolved Oxygen Benchtop Meters make it easy and affordable to take simple, accurate dissolved oxygen measurements.

Thermo Scientific Orion Star A113 Dissolved Oxygen Benchtop Meters combine simplicity with accuracy. Icons provide quick updates on battery life and reading stability. Simple button layout and onscreen messages help with calibration and setup menu choices.

Features and Benefits

- Large, informative screen clearly shows the main information, including DO reading in mg/L or % saturation, temperature in °C or °F, meter mode and power source
- Automatic temperature, manual salinity input and manual barometric pressure compensation for accurate DO results
- Don't miss a reading—AUTO-READ™ locks in the stable reading on your screen and ready indicator alerts when continuous readings are stable
- Two calibration options to meet your requirements: water-saturated air method or custom value using a Winkler titration
- Accepts Thermo Scientific Orion polarographic dissolved oxygen probes
- Non-volatile memory holds up to 50 data points
- Included electrode arm and holder make it easier to maintain and place probes into samples
- Plug the meter into almost any power outlet with the included universal power adapter, or use four AA batteries (sold separately) for added flexibility
- The IP54-rated housing handles splashes and can be wall-mounted if table space is limited
- 3 year meter replacement warranty

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Specifications

Dissolved Oxygen	**Concentration** **Range:** 0 to 20 mg/L **Resolution:** 0.01, 0.1 mg/L **Relative Accuracy:** ±0.2 mg/L **% Saturation** **Range:** 0 to 200 % saturation **Resolution:** 0.1, 1 % saturation **Relative Accuracy:** ±2 % saturation **Manual Barometric Pressure Correction:** 450.0 to 850.0 mm Hg **Manual Salinity Factor Correction:** 0 to 45 ppt **Calibration Features:** Water-saturated air, manual (Winkler) **Sensor Type:** Polarographic
Temperature	**Range:** 0 to 50 °C, 32 to 122 °F **Resolution:** 0.1 °C, 0.1 °F **Relative Accuracy:** ±0.1 °C, ±0.1 °F **Temperature Offset Calibration:** Yes
Datalogging	**Number of Points:** 50 **Log Function:** Manual, Automatic with AUTO-READ
Inputs	**DO Probe with Built-in Temperature:** 9-pin mini-DIN
Power	**Power Cord:** Included—universal, 100-240 VAC **Battery Power:** Optional—4 AAs **Battery Life:** 2000 hrs

Meter Ordering Information

Part No.	Description
STARA1130	**Orion Star A113 Dissolved Oxygen Benchtop Meter** - Attached electrode stand and holder - Universal power adapter - Printed quick start guide and literature CD
STARA1135	**Orion Star A113 Dissolved Oxygen Benchtop Meter Kit** - 083005MD Orion polarographic DO probe - 080017 calibration sleeve for DO probe - 080513 DO probe maintenance kit - Attached electrode stand and holder - Universal power adapter - Printed quick start guide and literature CD

Accessories Ordering Information

Part No.	Description
STARA-BEA	Orion Star A series electrode arm, holder and benchtop meter-attachable base plate
STARA-HB	Orion Star A series freestanding base for electrode arm and holder
083005MD	Orion polarographic DO probe, 1.5 m cable
083010MD	Orion polarographic DO probe, 3 m cable
080513	Orion polarographic DO probe maintenance kit
080017	Calibration sleeve for Orion polarographic DO 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.

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