



Orion Star A, DUAL STAR
and VERSA STAR Meters

An entire line of meters that's
exactly what you need.

Thermo
SCIENTIFIC

Thermo Scientific Products

help you test
the waters...literally.

As the world leader in serving science, our mission is to enable our customers to make the world healthier, cleaner and safer. Our customer base is as broad as our product lines. We serve pharmaceutical and biotech companies, the food and beverage industry, universities, research institutions, government agencies, as well as environmental and process control industries.

Our instruments analyze a variety of samples for product development and to ensure regulatory compliance and safety testing for manufacturing and the environment. Our scientific experts and products are employed around the world to help our customers ensure quality.

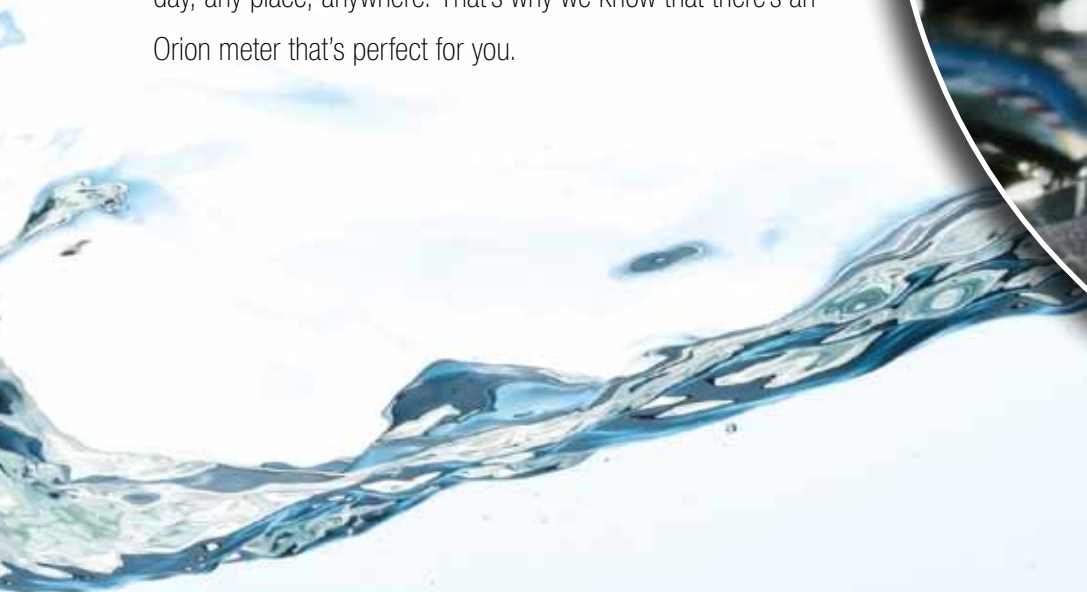


Orion Star A & VERSA STAR Meters

**Why the most common phrase where you work is
“I need an Orion meter.”**

Orion benchtop and portable meters are the standard by which all other meters are compared. Known for accuracy, reliability, durability, dependability, breadth of features, functionality and easy-to-read displays, the entire line of Orion meters provides you with an array of innovative solutions.

We are acutely aware that there are a wide range of potential applications for a meter. We meet those needs with a wide range of products, both benchtop and portable. While every one of our meters is best-in-class, we recognize that, depending on measurement needs and budget, individuals may need more or less functionality. Our new line of Orion meters has 24 models designed to handle every sample, every day, any place, anywhere. That's why we know that there's an Orion meter that's perfect for you.



The Next Generation



If you were to design the ideal meter, this would be it.

Orion VERSA STAR™

We're not in the business of creating new products for the sake of creating new products. When we ask our customers what's missing in the world of benchtop meters, it's our responsibility to respond. And we have, with the new Orion VERSA STAR meter. This is by far the "must have" meter for those who want or need the best.

You'll recognize the new Orion VERSA STAR as having the quality, accuracy, and the tried-and-true features that you've come to expect from the Orion product line.

The Orion VERSA STAR is your meter, your way. It changes with your needs, with up to four channels to define as you need. Our next generation of meters sets the new standard for excellence.

Features

- Advanced, customizable display
- GMP/GLP Compliant
- 2000 data-log memory
- RS232 communications and two USB ports

A Meter for Every Application

Depend on the complete line of Orion benchtop meters to be there for every sample, every day.

Orion Star™ A210-series Benchtop Meters



- Single and dual-parameter measurement capabilities
- Take the guesswork out of testing with plain-language screen prompts and function keys that update for easy selection
- GMP/GLP Compliant
- Durable and dependable
- 2000 data-log memory with time/date stamp and RS232/USB communications
- Ideal for every sample, every day

Orion DUAL STAR Two-Channel pH/ISE Benchtop Meter



- Two-channel measurement capabilities for pH and ISE
- Get more done: simultaneous displays of results allows for two applications at once
- GMP/GLP Compliant
- 1000 data-log memory with time/date stamp and RS232/USB communications
- Makes calibrating and measuring pH and ISE easy for anyone

Orion Star A110-series Benchtop Meters



- Single-parameter measurement capabilities
- Accurate, simple and affordable
- Memory for 50 data points
- Most economical benchtop meter in Orion Star A-series



A Meter for Every Location

We know samples don't always travel to you—you travel to them. When it comes to on-the-go testing, Orion portable meters are the best travel companions you can have.

Orion Star A320-series Portable Meters



- Single, dual and multi-parameter measurement capabilities
- Rugged and dependable to test samples anywhere
- GMP/GLP Compliant
- 5000 data-log memory with time/date stamp and RS232/USB communications
- Most advanced portable meter available

Orion Star A220-series Portable Meters



- Single-parameter measurement capabilities
- Durable and dependable
- GMP/GLP Compliant
- 1000 data-log memory with time/date stamp and RS232/USB communications
- Goes wherever a test is needed

Orion Star A120-series Portable Meters



- Single-parameter measurement capabilities
- Accurate, simple and affordable
- Memory for 50 data points
- Most economical portable meter in Orion Star A-series

Benchtop & Portable Accessories

New enhanced accessories are available for both benchtop and portable meters—creating a complete package and making the Orion Star A and VERSA STAR meters a perfect fit for your needs.

Meter with Electrode Swing Arm

Electrode Holder Head

Rugged Armor (with Detachable Electrode Holders)

Armor features Built-in Stand & Versatile Carry Strap



Benchtop

Portable

- The electrode arm attaches to the meter to minimize the amount of bench space needed, but you can also purchase a separate weighted base for more distance between your meter and samples.
- The electrode holder head features a new snap-in electrode design, making it easier to maintain your electrode.
- In compact design, every electrode, probe and stirrer has its place, allowing for maximum testing in minimal sample volume.

- For hands-free use, the armor includes a stand to keep the meter upright on virtually any surface, and a strap if you want to attach it to your belt or wrap it around a fixture.
- The armor offers a great non-slip grip and electrode holders to keep your electrodes in place and ready for use.

Benchtop accessories are included with the purchase of a meter. Portable accessories are included with the purchase of a kit. All meter kits include the appropriate electrodes.



Order Information

Our kits save you time by containing all you need to get testing right away.

Benchtop Meter Kits

Orion VERSA STAR

Catalog No.	Parameter
VSTAR93	Two pH/ISE, Conductivity, RDO®/Dissolved Oxygen
VSTAR92	pH/ISE, Conductivity, RDO/Dissolved Oxygen
VSTAR82	pH with LogR™ technology
VSTAR52	pH, Conductivity
VSTAR40B2	Two pH/ISE
VSTAR40A2	pH/ISE
VSTAR32	RDO/Dissolved Oxygen
VSTAR22	Conductivity
VSTAR12	pH

Orion Star A210-series

Catalog No.	Parameter
STARA2165	pH, RDO/Dissolved Oxygen
STARA2155	pH, Conductivity
STARA2145	pH/ISE
STARA2146	pH/ISE for Ammonia
STARA2147	pH/ISE for Fluoride
STARA2148	pH/ISE for Sodium
STARA2135	RDO/Dissolved Oxygen
STARA2136	RDO/Dissolved Oxygen for BOD
STARA2125	Conductivity
STARA2126	Conductivity for Ultrapure Water
STARA2115	pH

Orion DUAL STAR

Catalog No.	Parameter
2115001	Two pH/ISE

Orion Star A110-series

Catalog No.	Parameter
STARA1135	Dissolved Oxygen (Polarographic only)
STARA1125	Conductivity (and TDS only)
STARA1115	pH

Portable Meter Kits

Orion Star A320 and A220-series

Catalog No.	Parameter
STARA3295	pH/ISE, Conductivity, RDO/Dissolved Oxygen
STARA3265	pH, RDO/Dissolved Oxygen
STARA3255	pH, Conductivity
STARA3245	pH/ISE
STARA3235	RDO/Dissolved Oxygen
STARA3225	Conductivity
STARA3215	pH
STARA2235	RDO/Dissolved Oxygen
STARA2225	Conductivity
STARA2215	pH

Orion Star A120-series

Catalog No.	Parameter
STARA1235	Dissolved Oxygen (Polarographic only)
STARA1225	Conductivity (and TDS only)
STARA1215	pH



To see more **Orion Star A** and **VERSA STAR** product details visit www.thermoscientific.com/OrionStarA-2011

Ordering information:

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

© 2011 Thermo Fisher Scientific Inc. All rights reserved. RDO is a registered trademark of In-Situ, Inc. All other trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries.

Water Analysis Instruments
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) 22-4157-8800
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

Part of Thermo Fisher Scientific