

# Thermo Scientific Orion Versa Star Pro

Premium Benchtop Meters - versatile, high-performance laboratory measurement system

**Thermo Scientific Orion Versa Star Pro benchtop benchtop meters are designed to meet your most challenging application with ease. Delivering rich functionality and features, you can optimally configure your meter system to meet changing requirements. The Orion Versa Star Pro benchtop meters offer interchangeable measurement modules that allow multiple users to customize four separate channels to meet their specific requirements.**

Ideal for Applications in:

- Pharmaceuticals
- Biotechnology
- Food and Beverage
- Industry



Easily view your measurements on a stunning color display with adjustable text sizes. Take the guesswork out of meter calibration and setup with onscreen instructions available in a variety of local languages. Enjoy quick and simple data entry using the numeric keypad.

# Versa Star Pro

## Premium Benchtop Meters

### Collect, store, and export your critical data:

- Data log collects up to 2000 data points with time and date stamp; enhance data tracking using electrode ID, sample ID and user ID options
- Calibration log stores 30 most recent calibrations per parameter with viewable graph for multipoint pH and ISE calibrations
- Ensure measurement integrity by viewing the active calibration log while taking readings
- Non-volatile memory preserves data and settings, even in the event of power loss
- Purchase Thermo Scientific™ Orion™ Navigator Pro™ computer software for computer control of meter functions and electronic records generation

### Collect, store, and export your critical data:

- System access feature for administrator and up to 10 user accounts with custom access levels to meter functions including data/time, setup, data and calibration
- Onscreen measurement stability indicator lets you know exactly when your measurements are ready and is adjustable using custom stability and averaging settings
- Audible alarms automatically notify you when a set offset value, high/low limit value, and calibration time interval
- Uniformly mix solutions using meter-controlled stirrer probes that are easy to position and can be quickly rinsed between samples are reached

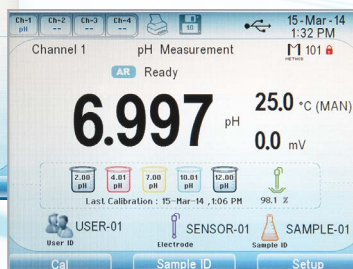
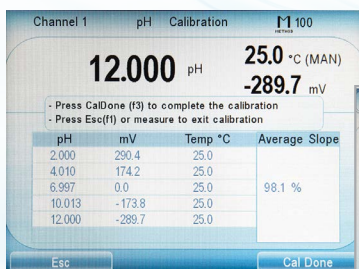
### Measurement Modules

**Select the measurement modules you need to best fit your application requirements.**

The Versa Star Pro meter is available without modules (VSTAR00), providing maximum flexibility for your meter configuration.

### Versa Star and Versa Star Pro Meters

Module Function	Cat. No.
Versa Star pH Module measures pH, mV, relative mV, ORP and temperature	VSTAR-PH
Versa Star pH/LogR Module measures pH, mV, relative mV, ORP and LogR temperature	VSTAR-LR
Versa Star pH/ISE Module measures pH, ion concentration (ISE), mV, relative mV, ORP and temperature	VSTAR-ISE
Versa Star Conductivity Module measures conductivity, TDS, salinity, resistivity and temperature	VSTAR-CND
Versa Star DO Module measures dissolved oxygen using an optical or polarographic DO probe and temperature	VSTAR-RD
Versa Star Pro Meter Without Modules includes electrode stand, universal power adapter and computer interface cable	VSTAR00



# Thermo Scientific Orion Versa Star Pro

## Premium Benchtop Meters - versatile, high-performance laboratory measurement system

### Versa Star Pro 10 pH Meter

Measure pH, mV, relative mV or ORP with temperature and perform up to a six point pH calibration with easy to follow onscreen instructions, automatic buffer recognition of NIST, DIN or user-defined buffer groups and calibration editing option to fix individual points without a full recalibration. Customize measurements to show calibration history and pH electrode condition or simplify to show an extra large pH reading.

### Versa Star Pro 80 pH/LogR Meter

Includes all the benefits of the Versa Star Pro pH meter plus LogR technology that uses the glass-bulb of most pH electrodes to measure both pH and temperature at the same location – ideal for small sample volumes and samples that are difficult to clean.

### Versa Star Pro 40 pH/ISE Meters

Includes all the benefits of the Versa Star Pro pH meter plus measure ion concentration (ISE) and perform up to a six point ISE calibration with fast entry of concentration values using the numeric keypad. Use advanced ISE features including single and double known addition & subtraction and analate addition and subtraction incremental techniques, non-linear auto-blank, low range stability and electrode ID with calibration verification. Select the VSTAR40B2 kit with two pH/ISE modules to measure multiple samples simultaneously.

### Versa Star Pro 20 Conductivity Meter

Measure conductivity, TDS, salinity or resistivity with temperature and perform up to a six point calibration with onscreen instructions and calibration editing option. Auto-ranging conductivity values with linear, non-linear, EP (USP) or off temperature compensation settings and 5, 10, 15, 20 or 25°C reference temperatures ensure accurate results.

### Versa Star Pro 30 Dissolved Oxygen Meter

Measure dissolved oxygen in percent saturation or mg/L with temperature and flexibility using Orion polarographic or optical DO sensors with automatic sensor recognition. Calibrate using water-saturated air, air-saturated water, custom value (Winkler) and zero point options. A built-in barometer automatically adjusts DO readings for barometric pressure.

### Versa Star Pro 50 pH and Conductivity Meter

Includes all the benefits of the Versa Star pH and conductivity meters in one preconfigured system.

### Versa Star Pro 90 pH/ISE, Conductivity and DO Meters

Includes all the benefits of the Versa Star pH/ISE, conductivity and DO meters in one preconfigured system. Select the VSTAR93 kit with two pH/ISE modules to measure up to four samples simultaneously.





# Versa Star Pro Premium Benchtop Meters

## Versa Star Pro Premium Benchtop Meters

Cat. No.	Description*	Included Electrode/Sensor Advantages
VSTAR12	<b>Versa Star Pro Meter with pH Module Kit</b> <ul style="list-style-type: none"> <li>8302BNUMD ROSS Ultra Triode pH/ATC electrode</li> <li>096019 Orion Star stirrer probe</li> <li>810199 ROSS pH buffer and solution kit</li> </ul>	<b>8302BNUMD ROSS Ultra pH/ATC electrode</b> <ul style="list-style-type: none"> <li>Simultaneously measure pH and temperature with one electrode</li> <li>Robust glass body for chemical resistance in a variety of samples</li> <li>TRIS buffer, sulfide and protein compatible with 2-year warranty**</li> </ul>
VSTAR82	<b>Versa Star Pro Meter with pH/LogR Module Kit</b> <ul style="list-style-type: none"> <li>8172BNWP ROSS Sure-Flow pH electrode</li> <li>927007MD Stainless steel ATC probe</li> <li>810199 ROSS pH buffer and solution kit</li> <li>810007 ROSS electrode fill solution</li> </ul>	<b>8172BNWP ROSS Sure-Flow pH electrode</b> <ul style="list-style-type: none"> <li>Open reference junction stabilizes readings and prevents clogging in difficult, dirty, viscous or semi-solid samples</li> <li>Easy-to-flush reference chamber simplifies electrode maintenance</li> <li>Double junction for TRIS buffer, sulfide and protein compatibility</li> </ul>
VSTAR40A2	<b>Versa Star Pro Meter with pH/ISE Module Kit</b> <ul style="list-style-type: none"> <li>8302BNUMD ROSS Ultra Triode pH/ATC electrode</li> <li>927007MD Stainless steel ATC probe</li> <li>810199 ROSS pH buffer and solution kit</li> <li>810007 ROSS electrode fill solution</li> </ul>	<b>8102BNUWP ROSS Ultra pH electrode</b> <ul style="list-style-type: none"> <li>Designed to provide accurate, stable measurements in a wide range of samples and applications</li> <li>Robust glass body for chemical resistance in a variety of samples</li> <li>Double junction for TRIS buffer, sulfide and protein compatibility</li> </ul>
VSTAR40B2	<b>Versa Star Pro Meter with Two pH/ISE Modules Kit</b> <ul style="list-style-type: none"> <li>Same kit contents as VSTAR40A2 plus second pH/ISE module and stand for additional pH or ion selective electrode</li> </ul>	<ul style="list-style-type: none"> <li>Industry-leading 2-year warranty**</li> </ul>
VSTAR22	<b>Versa Star Pro Meter with Conductivity Module Kit</b> <ul style="list-style-type: none"> <li>013005MD Orion 4-cell conductivity sensor</li> <li>011007 Orion 1413 <math>\mu</math>S conductivity standard</li> </ul>	<b>013005MD conductivity sensor</b> <ul style="list-style-type: none"> <li>Designed to provide high accuracy across 1 <math>\mu</math>S/cm to 200 mS/cm</li> <li>Rugged epoxy/graphite body with built-in temperature sensor</li> <li>4-cell designed to reduce fringe field and polarization errors</li> </ul>
VSTAR32	<b>Versa Star Pro Meter with DO Module Kit</b> <ul style="list-style-type: none"> <li>083005MD Orion polarographic DO sensor</li> <li>080513 DO probe maintenance kit</li> <li>BOD adapter, funnel and stirrer</li> </ul>	<b>083005MD polarographic DO sensor</b> <ul style="list-style-type: none"> <li>Designed to deliver precise DO readings across 0 to 90 mg/L</li> <li>Durable epoxy body with built-in temperature sensor</li> <li>Screw-on membrane caps for quick and easy maintenance</li> </ul>
VSTAR52	<b>Versa Star Pro Meter with pH and Conductivity Module Kit</b> <ul style="list-style-type: none"> <li>8157BNUMD ROSS Ultra Triode pH/ATC electrode</li> <li>013005MD Orion 4-cell conductivity sensor</li> <li>810199 ROSS pH buffer and solution kit</li> <li>011007 Orion 1413 <math>\mu</math>S conductivity standard</li> </ul>	<b>8157BNUMD ROSS Ultra pH/ATC electrode</b> <ul style="list-style-type: none"> <li>Simultaneously measure pH and temperature with one electrode and double junction for TRIS buffer, sulfide and protein compatibility</li> <li>Durable, break resistant epoxy body, plus 2-year warranty**</li> </ul> <b>013005MD conductivity sensor</b> <ul style="list-style-type: none"> <li>Designed to provide high accuracy across 1 <math>\mu</math>S/cm to 200 mS/cm</li> <li>Rugged epoxy/graphite body with built-in temperature sensor</li> </ul>
VSTAR92	<b>Versa Star Pro Meter with pH/ISE, Conductivity and DO Modules Kit</b> <ul style="list-style-type: none"> <li>8157BNUMD ROSS Ultra Triode pH/ATC electrode</li> <li>013005MD Orion 4-cell conductivity sensor</li> <li>083005MD Orion polarographic DO sensor</li> <li>096019 Orion Star stirrer probe</li> <li>810199 ROSS pH buffer and solution kit</li> <li>011007 Orion 1413 <math>\mu</math>S conductivity standard</li> <li>080513 DO probe maintenance kit</li> <li>BOD adapter, funnel and stirrer</li> </ul>	<b>8157BNUMD ROSS Ultra pH/ATC electrode</b> <ul style="list-style-type: none"> <li>Simultaneously measure pH and temperature with one electrode and double junction for TRIS buffer, sulfide and protein compatibility</li> <li>Durable, break resistant epoxy body, plus 2-year warranty**</li> </ul> <b>013005MD conductivity sensor</b> <ul style="list-style-type: none"> <li>Designed to provide high accuracy across 1 <math>\mu</math>S/cm to 200 mS/cm</li> <li>Rugged epoxy/graphite body with built-in temperature sensor</li> </ul> <b>083005MD polarographic DO sensor</b> <ul style="list-style-type: none"> <li>Designed to deliver precise DO readings across 0 to 90 mg/L</li> <li>Durable epoxy body with built-in temperature sensor</li> <li>Screw-on membrane caps for quick and easy maintenance</li> </ul>
VSTAR93	<b>Versa Star Pro Meter with two pH/ISE, Conductivity and DO Modules Kit</b> <ul style="list-style-type: none"> <li>Same kit contents as VSTAR92 plus second pH/ISE module for additional pH or ion selective electrode</li> </ul>	

\* Note: Each meter kit includes meter-attached electrode stand, universal power adapter and computer interface cable.

\*\* Subject to terms of standard limited warranty.