

## Ensure digital data integrity with password-protection, electronic records and audit trails

Measure pH, ion concentration, conductivity, dissolved oxygen and temperature with full computer control of Versa Star Pro meters using Navigator Pro computer software.

The Thermo Scientific™ Orion™ Navigator Pro™ computer software and Thermo Scientific™ Orion™ Versa Star Pro™ meters are designed to offer a computer-driven measurement system for generating electronic measurements, calibration data and audit trails.

Orion Navigator Pro software offers multi-level system access for an administrator and up to 10 users. The system administrator can customize each user's access level from full system access to basic data collection only. The Navigator Pro software controls all meter functions including meter settings, calibration, measurement, and reporting to help ensure data integrity and provide a complete audit trail.

Orion Navigator Pro software is designed to create electronic data records and audit trails with password-protection, which can be used to assist with 21 CFR Part 11 requirements when paired with each laboratory's proper IT protocols, SOPs and training records.\*

\*It is the responsibility of each laboratory to validate the Navigator Pro computer software for its intended use, including all regulatory requirements.

### Features and Benefits

- Generates electronic records and signatures
- Creates audit trail report for electronic records
- Limits access to authorized individuals
- Password protection with system administrator and up to 10 users
- Full computer control of meter functions including setup, calibration and measurement
- Paperless record keeping system

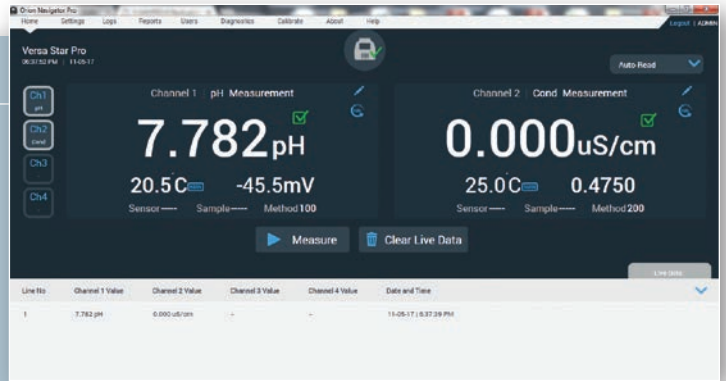
### Markets

- Pharmaceutical
- Biotechnology
- Food and Beverage



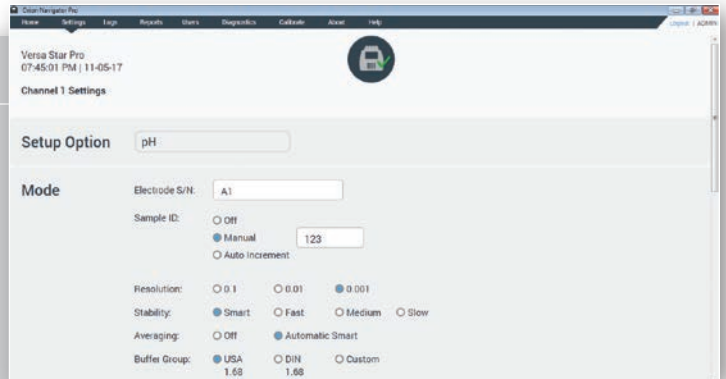
### Measure Screen Example

Easily view and collect measurement data from your computer, including the ability to display up to four measurement channels on each Orion Versa Star Pro meter.



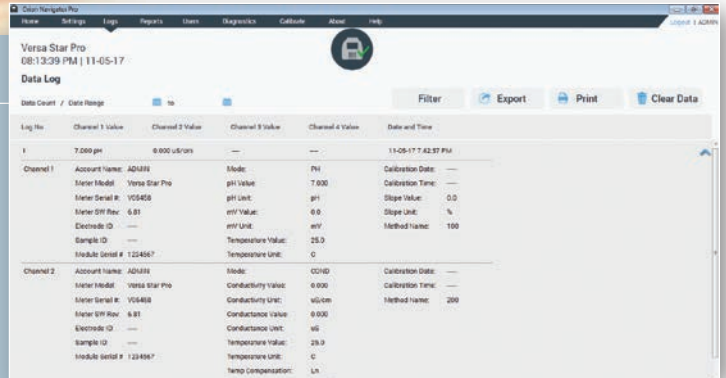
### Setup Menu Example

Simplified setup menu allows instrument and measurement parameters to be set quickly and easily using your computer as the primary interface. Utilize your computer's keyboard to enter sample IDs to improve sample throughput.



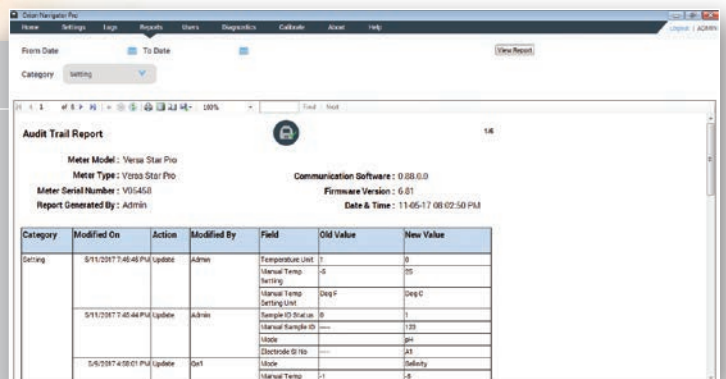
### Data Log Screen Example

Easy-to-view data records can be exported as a PDF file or sent to a network printer. PDF files can be used for electronic records submissions and paperless record keeping.



### Audit Trail Report Screen

All changes are tracked in the audit trail and can be saved as a PDF file for electronic records submissions and paperless record keeping.



## Product Specifications

### Computer System Requirements

<b>Operating System</b>	Microsoft® Windows® 10 (desktop OS) Microsoft Windows 8.1 Microsoft Windows 7
<b>CPU Type</b>	1 gigahertz (GHz) or faster 32-bit (x86) or 64-bit (x64) processor
<b>Memory</b>	<b>For 32-bit:</b> 2 GB (Min. 300 MB availability required for the targeted application usage) <b>For 64-bit:</b> 2 GB (Min. 300 MB availability required for the targeted application usage)
<b>Display Resolution</b>	1366 x 768 with true color
<b>Disk Space for Software Installation</b>	100 MB
<b>Disk Space for Application Data</b>	1 GB free hard disk, subject to change based on application data growth
<b>Communication Port</b>	One available USB 2.0, USB 3.0 or RS232
<b>.NET Framework</b>	.NET Framework Version 4.5
<b>Visual Reports</b>	Adobe® Reader® or equivalent PDF reader
<b>Meter Interface</b>	Connects with one Orion Versa Star Pro meter at a time
<b>Meter Requirements</b>	
<b>Compatible Meters</b>	Thermo Scientific Orion Versa Star Pro meters with serial number V10000 or higher and software revision 10.0 or higher (software is user-upgradable)

### Ordering Information

Cat. No.	Description
<b>VSTAR-NPCD</b>	Orion Navigator Pro computer software for Orion Versa Star Pro meters, includes one software license on CD and user manual
<b>VSTAR-NPUSB</b>	Orion Navigator Pro computer software for Orion Versa Star Pro meters, includes one software license on USB flash drive and user manual

**All Versa Star Pro meters include electrode stand, 100-240 V universal power adapter, literature, computer cable and meter test certificate**

<b>VSTAR10</b>	Orion Versa Star Pro pH meter
<b>VSTAR12</b>	Orion Versa Star Pro pH meter standard kit with 8302BNUMD ROSS Ultra Triode pH/ATC electrode, 096019 stirrer probe and 810199 ROSS pH buffer kit
<b>VSTAR13</b>	Orion Versa Star Pro pH meter difficult sample kit with 8172BNWP ROSS Sure-Flow pH electrode, 927007MD ATC probe, 096019 stirrer probe and 810199 ROSS buffer kit
<b>VSTAR20</b>	Orion Versa Star Pro conductivity meter
<b>VSTAR22</b>	Orion Versa Star Pro conductivity meter standard kit with 013005MD DuraProbe (K=0.475) conductivity/temperature probe and 1413 µs conductivity standard
<b>VSTAR23</b>	Orion Versa Star Pro conductivity meter pure water kit with 013016MD pure water (K=0.1) conductivity/temperature probe, detachable flow cell and 100 µs conductivity standard
<b>VSTAR30</b>	Orion Versa Star Pro dissolved oxygen meter
<b>VSTAR32</b>	Orion Versa Star Pro dissolved oxygen meter kit with 083005MD DO probe and calibration sleeve, DO probe maintenance kit and BOD adapter/funnel/stirrer
<b>VSTAR40A</b>	Orion Versa Star Pro pH/ISE meter
<b>VSTAR40A2</b>	Orion Versa Star Pro pH/ISE meter kit with 8102BNUWP ROSS Ultra pH electrode, 927007MD ATC probe, 096019 stirrer probe and 810199 ROSS pH buffer kit
<b>VSTAR40B</b>	Orion Versa Star Pro two channel pH/ISE meter
<b>VSTAR40B2</b>	Orion Versa Star Pro two channel pH/ISE meter kit with 8102BNUWP ROSS Ultra pH electrode, 927007MD ATC probe, 096019 stirrer probe, 810199 ROSS pH buffer kit and 2nd electrode stand



Cat. No.	Description
<b>VSTAR50</b>	Orion Versa Star Pro pH and conductivity meter
<b>VSTAR52</b>	Orion Versa Star Pro pH and conductivity meter kit with 8157BNUMD ROSS Ultra pH/ATC electrode, 013005MD DuraProbe (K=0.475) conductivity/temperature probe, 810199 ROSS pH buffer kit and 1413 $\mu$ s conductivity standard
<b>VSTAR80</b>	Orion Versa Star Pro pH/LogR meter with 927007MD stainless steel ATC probe
<b>VSTAR82</b>	Orion Versa Star Pro pH/LogR meter difficult sample kit with 8172BNWP ROSS Sure-Flow pH electrode, 927007MD ATC probe, 810199 ROSS pH buffer kit and ROSS pH electrode fill solution
<b>VSTAR83</b>	Orion Versa Star Pro pH/LogR meter micro sample kit with 8220BNWP ROSS Micro pH electrode, 927007MD ATC probe and 810199 ROSS pH buffer kit
<b>VSTAR90</b>	Orion Versa Star Pro pH/ISE, conductivity and RDO/DO meter
<b>VSTAR91</b>	Orion Versa Star Pro two channel pH/ISE, conductivity and RDO/DO meter
<b>VSTAR92</b>	Orion Versa Star Pro pH/ISE, conductivity and RDO/DO meter standard kit with 8157BNUMD ROSS Ultra pH/ATC electrode, 013005MD DuraProbe (K=0.475) conductivity/temperature probe, 083005MD DO probe and calibration sleeve, 096019 stirrer probe, ROSS pH buffer kit, 1413 $\mu$ s conductivity standard and DO probe maintenance kit
<b>VSTAR93</b>	Orion Versa Star Pro two channel pH/ISE, conductivity and RDO/DO meter kit with 8157BNUMD ROSS Ultra pH/ATC electrode, 013005MD DuraProbe (K=0.475) conductivity/temperature probe, 083005MD DO probe and calibration sleeve, 096019 stirrer probe, ROSS pH buffer kit, 1413 $\mu$ s conductivity standard and DO probe maintenance kit
<b>VSTAR94</b>	Orion Versa Star Pro pH/ISE, conductivity and RDO/DO meter optical DO kit with 8157BNUMD ROSS Ultra pH/ATC electrode, 013005MD DuraProbe (K=0.475) conductivity/temperature probe, 087010MD RDO Optical DO probe, 096019 stirrer probe, ROSS pH buffer kit and 1413 $\mu$ s conductivity standard
<b>VSTAR00</b>	Orion Versa Star Pro meter (modules sold separately)
<b>VSTAR-CND</b>	Orion Versa Star conductivity, salinity, resistivity, TDS & temperature module
<b>VSTAR-ISE</b>	Orion Versa Star pH, ISE, mV, ORP & temperature module
<b>VSTAR-LR</b>	Orion Versa Star pH, LogR, mV, ORP & temperature module
<b>VSTAR-PH</b>	Orion Versa Star pH, mV, ORP & temperature module
<b>VSTAR-RD</b>	Orion Versa Star polarographic and RDO optical dissolved oxygen & temperature module



## Water and Lab Products

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**Germany:** (49) 6184-90-6321 **India:** (91) 22-6716-2261/2247 **Japan:** (81) 045-453-9175  
**North America:** 1-978-232-6000 Toll Free: 1-800-225-1480 **Singapore:** (65) 6778-6876

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