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Thermo-Orion pH/ISE Meters



The Redesigned Orion Dual Star pH/ISE Meters

The Orion Dual Star pH/ISE dual channel benchtop meter accelerates sample measurement throughput by showing the results of two channels simultaneously on its large, backlit display. Using the meter's two BNC, reference pin-tip and ATC temperature inputs, it can display several measurements including pH, ion concentration (ISE), mV, relative mV or ORP with temperature on two channels. You can collect critical measurements using an assortment of read modes and onscreen ready indicators that alerts when readings are stable. The meter's Smart Stability and Smart Averaging functions automatically compensate for measurement conditions, so the meter displays more accurate results faster.

- The new Orion Dual Star meter housing is designed to be compatible with the meter attachable electrode stand which is included with all redesigned Orion Dual Star meters
- New Dual Star communication software has been developed and will be available to download for free. Ask your MG Customer Service Representative.
- Eight new Orion Dual Star meter kits have been introduced with the most popular Ion Selective Electrodes (ISE) including ammonia, chloride, fluoride, nitrate or sodium electrodes and their relevant standards and solutions
- Easy to follow onscreen text prompts for calibration and setup menus available in a multi-language user interface with English, Spanish, French, German or Italian options
- Enjoy quick meter set up and data entry with a numeric keypad and menu-specific function keys
- Perform up to a 6 point pH calibration with automatic recognition for USA/NIST and EURO/DIN buffers with option to manually input custom buffer values
- Perform up to a 6 point ion concentration (ISE) calibration with non-linear auto-blank and low-concentration stability options or use incremental methods for single/double known addition and single/double known subtraction
- Smart Stability and Smart Averaging functions designed to automatically compensate for measurement conditions
- EZ Startup™ menu helps to facilitates quick and easy first time meter setup

Features and Benefits

- Quickly toggle to show both channels simultaneously or each channel separately

Ion Selective Electrodes (ISE)

- The new meter housing is compatible with the meter-attachable electrode stand and this stand is included with all redesigned Orion Dual Star meters
- New Orion Dual Star meter kits are available with the most popular Ion Selective Electrodes (ISE) including ammonia, chloride, fluoride, nitrate or sodium electrodes and their relevant standards and solutions

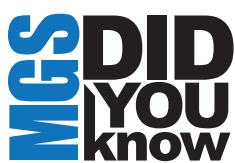


Orion Versa Star Meter Promotion



Purchase a new Thermo Scientific Orion Versa Star Meter and receive an additional measurement module of your choice FREE!

- Versa Star pH Module
- VSTAR-pH, Versa Star pH/ISE Module
- VSTAR-LR, Versa Star Conductivity Module
- VSTAR-CND, Versa Star RDO/DO Module, VSTAR-RD



The pH (always written little p, big H) of a substance is an indication of how many hydrogen ions it forms in a certain volume of water. There's no absolute agreement on what "pH" actually stands for, but most people define it as something like "power of hydrogen" or "potential of hydrogen." Now this is where it gets confusing for those of you who don't like math. The proper definition of pH is that *it's minus the logarithm of the hydrogen ion activity in a solution* (or, if you prefer, the logarithm of the reciprocal of the hydrogen ion activity in a solution).

