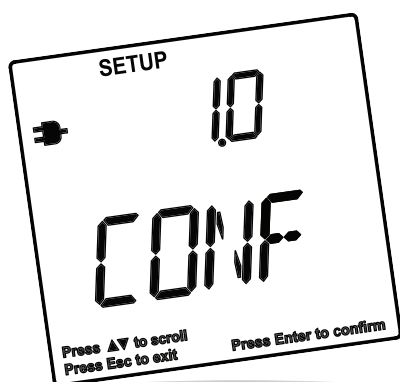


**Thermo Scientific Orion Star A112  
Conductivity Benchtop Meters  
make it easy and affordable  
to take simple, accurate  
conductivity measurements.**

## Thermo Scientific Orion Star A112 Conductivity Benchtop Meter



Thermo Scientific Orion Star A112 Conductivity Benchtop Meters combine simplicity with accuracy. A large LCD displays conductivity or TDS readings along with temperature. Icons provide quick updates on battery life and completed calibration status. 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 conductivity or TDS reading, temperature in °C or °F, meter mode and power source
- Don't miss a reading – AUTO-READ™ locks in the stable reading on your screen and ready indicator alerts when readings are stable
- Selectable cell constant
- Selectable reading reference temperatures of 20 °C or 25 °C for an accurate result
- Included electrode arm and newly-designed 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) to run the meter on DC power
- Non-volatile memory holds up to 50 data points
- The IP54-rated housing can handle splashes and can be wall-mounted if table space is a problem
- 3 year meter replacement warranty

## Thermo Scientific Orion Star A112 Conductivity Benchtop Meter

## Specifications



|                     |                                            |                                                              |
|---------------------|--------------------------------------------|--------------------------------------------------------------|
| <b>Conductivity</b> | <b>Range</b>                               | 0.1 $\mu\text{S}/\text{cm}$ to 200 $\text{mS}/\text{cm}$     |
|                     | <b>Resolution</b>                          | 0.01 $\mu\text{S}$ minimum;<br>3 significant figures minimum |
|                     | <b>Relative Accuracy</b>                   | 0.5 % reading $\pm 1$ digit                                  |
|                     | <b>Reference Temperature</b>               | 20, 25 $^{\circ}\text{C}$ (default)                          |
|                     | <b>Temperature Compensation</b>            | Linear (0.0 to 10.0 $\%/^{\circ}\text{C}$ )                  |
|                     | <b>Compatible Cell Constants</b>           | 0.001 to 10                                                  |
|                     | <b>Number of Calibration Points</b>        | 1                                                            |
| <b>TDS</b>          | <b>Range</b>                               | 1 to 19,999 $\text{mg}/\text{L}$                             |
|                     | <b>Resolution</b>                          | 4 significant digits                                         |
|                     | <b>Relative Accuracy</b>                   | 0.5 % reading $\pm 1$ digit                                  |
|                     | <b>TDS Factor Range</b>                    | Linear 0.01 to 10.00,<br>default 0.49                        |
| <b>Temperature</b>  | <b>Range</b>                               | -5 to 105 $^{\circ}\text{C}$ , 23 to 221 $^{\circ}\text{F}$  |
|                     | <b>Resolution</b>                          | 0.1                                                          |
|                     | <b>Relative Accuracy</b>                   | $\pm 0.1$                                                    |
|                     | <b>Temperature Offset Calibration</b>      | Yes                                                          |
| <b>Datalogging</b>  | <b>Number of Points</b>                    | 50                                                           |
|                     | <b>Log Function</b>                        | Manual, Automatic<br>with AUTO-READ™                         |
|                     | <b>Log Edit</b>                            | Delete last reading or all                                   |
| <b>Inputs</b>       | <b>Conductivity with Temperature Probe</b> | 8-pin mini-DIN                                               |
| <b>Power</b>        | <b>AC Adapter</b>                          | Included –<br>universal, 100-240 VAC                         |
|                     | <b>Battery Power</b>                       | Optional –<br>4 AAs                                          |
|                     | <b>Battery Life</b>                        | 2000 hrs                                                     |

## Ordering Information

| Cat. No.           | Description                                                                                                                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Meters Only</b> |                                                                                                                                                                                                                                            |
| <b>STARA1120</b>   | <b>Orion STAR A112 Conductivity Benchtop Meter</b><br>- Electrode arm with redesigned holder<br>- Universal power adapter                                                                                                                  |
| <b>STARA1125</b>   | <b>Orion STAR A112 Conductivity Benchtop Meter Kit</b><br>- 011050MD orion conductivity cell, K=1.0<br>- 011007 conductivity standard, 1413 $\mu\text{S}$ , 5x60 mL<br>- Electrode arm with redesigned holder<br>- Universal power adapter |
| <b>Accessories</b> |                                                                                                                                                                                                                                            |
| <b>STARA-BEA</b>   | Benchtop electrode arm for Orion Star A-series meters                                                                                                                                                                                      |
| <b>STARA-HB</b>    | Freestanding base for use with Orion Star A-series benchtop electrode arm                                                                                                                                                                  |
| <b>011050MD</b>    | Orion 2-electrode conductivity cell, K=1.0                                                                                                                                                                                                 |
| <b>013016MD</b>    | Orion 2-electrode conductivity cell with flow cell, K=0.1                                                                                                                                                                                  |
| <b>011008</b>      | Orion conductivity standard, 100 $\mu\text{S}/\text{cm}$ , 5x60 mL bottles                                                                                                                                                                 |
| <b>011007</b>      | Orion conductivity standard, 1413 $\mu\text{S}/\text{cm}$ , 5x60 mL bottles                                                                                                                                                                |
| <b>011006</b>      | Orion conductivity standard, 12.9 $\text{mS}/\text{cm}$ , 5x60 mL bottles                                                                                                                                                                  |
| <b>1010001</b>     | Orion conductivity calibration resistor kit                                                                                                                                                                                                |

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](http://www.thermoscientific.com/water).

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