

Specifications:

Accuracy (mV) ± 0.2 mV or $\pm 0.05\%$ of reading whichever is greater
Accuracy (pH) ± 0.002 pH
Data Points 2000
Description Orion Star A215 pH/mV/Conductivity/
TDS/Resistivity/Salinity/Temperature
Benchtop Meter Kit
Display Type Graphic LCD with backlight
Inputs BNC (pH), 8-pin Mini-DIN (conductivity with
temperature probe or ATC probe),
reference pin-tip, stirrer input
Outputs USB, RS232
Range (mV) ± 2000.0 mV
Range (pH) -2.000 to 20.000pH
Resolution (mV) 0.1mV
Resolution (pH) 0.1, 0.01, 0.001pH
Temperature (Relative Accuracy) $\pm 0.1^{\circ}\text{C}$
Temperature Range -5 to $+105^{\circ}\text{C}$
Resolution (Temperature) 0.1°C
Warranty 3 year meter replacement
Certifications/Compliance IP-54
Calibration Points (pH) 1 to 5
Range (Conductivity) $0.001\ \mu\text{S}/\text{cm}$ to 3000 mS/cm
Resolution (Conductivity) $0.001\ \mu\text{S}$ minimum, 4 significant digits
Relative Accuracy (Conductivity) 0.5% of reading ± 1 digit
Conductivity Reference Temperatures (Metric) 5, 10, 15, 20, 25°C
Calibration Points (Conductivity) Up to 5
Range (Resistivity) 2 ohm to 100 meg-ohm
Resolution (Resistivity) 2ohms-cm
Relative Accuracy (Resistivity) 0.5% of reading ± 1 digit
Range (Salinity) 0.01 to 80.0 ppt NaCl equivalent; 0.01 to
42 ppt practical salinity
Resolution (Salinity) 0.01ppt
Relative Accuracy (Salinity) ± 0.1 ppt
Salinity Measurement Modes Practical salinity or natural sea water
(NaCl equivalent)
Range (TDS) 0 to 200ppt
Resolution (TDS) 4 significant digits
Relative Accuracy (TDS) 0.5% of reading ± 1 digit
TDS Factor Range Linear 0.01 to 10.00
Accuracy (Temperature) $\pm 0.1^{\circ}\text{C}$
Conductivity (Range) $0.001\ \mu\text{S}/\text{cm}$ to 3000 mS/cm
Conductivity (Relative Accuracy) 0.5% of reading ± 1 digit
Conductivity (Resolution) $0.001\ \mu\text{S}$ minimum, 4 significant digits
pH Calibration Points 1 to 5
pH Relative Accuracy ± 0.002 pH
Range (Temperature) -5 to $+105^{\circ}\text{C}$
Temperature (Reference) 5, 10, 15, 20, 25°C