



جامعة السلطان قابوس
Sultan Qaboos University

Requisition Form

Requisition Number: 7026/26/0089

Last Date for Submission: 22/06/2026

S.N.	SQU Product Code	Description	Qty	UOM	Remarks
1	EQUBIOPH-0001	PH-METER	1	Nos	<p>pH/ORP/ISE + EC + Optical DO Multiparameter Modular Benchtop Meter</p> <p>Range: -2.0 to 20.0 pH; -2.00 to 20.00 pH; -2.000 to 20.000 pH</p> <p>Resolution: 0.1 pH; 0.01 pH; 0.001 pH</p> <p>Accuracy: ± 0.1 pH; ± 0.01 pH; ± 0.002 pH (± 1 last significant digit)</p> <p>Temperature Compensation: Automatic or manual</p> <p>mV</p> <p>Range: -2000.0 mV to 2000.0 mV</p> <p>Resolution: 1 mV; 0.1 mV</p> <p>Accuracy: ± 0.2 mV ± 1 last significant digit</p> <p>ISE</p> <p>Range: 1×10^{-6} to 9.99×10^{10} concentration</p> <p>Resolution: 1; 0.1; 0.01; 0.001 concentration</p> <p>Accuracy: $\pm 0.5\%$ (monovalent ions); $\pm 1\%$ (divalent ions)</p> <p>Calibration: Automatic, up to five-point calibration, seven fixed standard solutions available for each measurement unit, and five user defined standards</p> <p>Temperature Range: -20.0 to 120.0 °C; -4.0 to 248.0 °F; 253.0 to 393.0 K</p> <p>Resolution: 0.1 °C / 0.1 °F / 0.1 K</p> <p>Accuracy: ± 0.2 °C / ± 0.4 °F / ± 0.2 K</p> <p>Relative mV offset range: ± 2000.0 mV</p> <p>pH Calibration Calibration points: Up to 5</p> <p>Type: Automatic; Semi automatic; Manual</p> <p>Standard buffers: Hanna and NIST - pH 1.68, 3.00, 4.01, 6.86, 7.01, 9.18, 10.01, 12.45</p> <p>Custom buffers: Up to 5</p> <p>Custom group: Up to 5</p> <p>1st calibration point: Offset or Points (user)</p>

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					setting) Temperature User Calibration: Single point, adjustable; Isopotential point: -2.000 to 20.000 pH Conductivity Range: 0.000 to 9.999 S/cm; 10.00 to 99.99 S/cm; 100.0 to 999.9 S/cm; 1.000 to 9.999 mS/cm; 10.00 to 99.99 mS/cm; 100.0 to 1000.0 mS/cm Resolution: 0.001 S/cm; 0.01 S/cm; 0.1 S/cm; 0.001 mS/cm; 0.01 mS/cm; 0.1 mS/cm Accuracy: ± 1 % of reading ± 0.010 S/cm, whichever is greater Cell Constant: 0.0500 to 200.00 /cm Calibration Type: automatic; manual Calibration points: Single Multiple Calibration solutions: 84.00 S/cm, 1.413 mS/cm, 5.000 mS/cm, 12.88 mS/cm, 80.00 mS/cm, 111.8 mS/cm Temperature Compensation: Linear, natural, standard, disabled Reference Temperature: Range: 5.0 to 30.0 C (41.0 to 86.0 C) Resolution: 0.1 C / 0.1 F Temperature Coefficient: 0.00 to 10.00%/ C Resistivity Range: 1.0 to 99.9 cm; 100 to 999 cm; 1.00 to 9.99 Kcm; 10.0 to 99.9 Kcm; 100 to 999 Kcm; 1.00 to 9.99 Mcm; 10.0 to 100.0 Mcm Resolution: 0.1 cm; 1 cm; 0.01 Kcm; 0.1 Kcm; 1 Kcm; 0.01 Mcm; 0.1 Mcm Accuracy: ± 1 % of reading or ± 1 cm, whichever is greater Total Dissolved Solids (TDS) Range: 0.000 to 9.999 ppm; 10.00 to 99.99 ppm; 100.0 to 999.9 ppm; 1.000 to 9.999 ppt; 10.00 to 99.99 ppt; 100.0 to 400.0 ppt; actual TDS (with 1.00 factor) Resolution: 0.001 ppm; 0.01 ppm; 0.1 ppm; 0.001 ppt; 0.01 ppt; 0.1 ppt Accuracy: ± 1 % of reading or ± 0.01 ppm, whichever is greater

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					<p>Salinity Range: 0.00 to 42.00 PSU - Practical Scale 0.00 to 80.00 ppt - Natural Sea Water 0.0 to 400.0 % - Percent Scale Resolution: 0.01 for Practical Scale / Natural Sea Water 0.1 % for Percent Scale Accuracy: ±1 % of reading Calibration: 1 point for Percent Scale, using 100% salinity calibration solution</p> <p>Temperature Range: 20.0 to 120.0 °C; -4.0 to 248.0 F; 253.0 to 393.0 K Resolution: 0.1 °C; 0.1 °F; 0.1 K Accuracy: ±0.2 °C; ±0.4 °F; ±0.2 K Calibration: Single point, adjustable</p> <p>Dissolved Oxygen Range: 0.00 to 90.00 mg/L (ppm) concentration; 0.0 to 600.0 % saturation Resolution: 0.01 mg/L (ppm); 0.1 % saturation Accuracy: Refer to individual specifications for probe used HI-7641133 DO Probe Specification Probe Body Material: ABS Smart Cap™ material: Polypropylene Cable jacket material: PVC Cable Length: 1m probe guard: Stainless steel Temperature Measurement: Thermistor Pressure: 20m (29 PSI) Probe Dimensions with guard: 174 x 25mm Response Time: 45 seconds probe ingress protection rating: IP68 Sensor type: Optical; luminescence quenching</p> <p>-</p>