جامعة السلطان قابوس
Sultan Qaboos University

Requisition Form

Requisition Number: 7022/26/0071

Last Date for Submission: 19/10/2026

S.N.	SQU Product Code	Description	Qty	UOM	Remarks
1	EQUINSSEN0003	SOIL MOISTURE SENSOR	10	Nos	Terros12 Soil moisture sensors from Meter Group Company. specifications Volumetric Water Content Range Mineral Soil Calibration: 0.00–0.70 m3/m3 Soilless Media Calibration: 0.0–1.0 m3/m3 Apparent Dielectric Permittivity (a): 1 (air) to 80 (water) NOTE: The VWC range is dependent on the media the sensor is calibrated to. A custom calibration will accommodate the necessary ranges for most substrates. Resolution 0.0010 m3/m3 Accuracy Generic Calibration: ±0.03 m3/m3 (±3.00% VWC) typical in mineral soils that have solution EC <8,000 S/cm Medium Specific Calibration: ±0.01–0.02 m3/m3 in any porous medium Apparent Dielectric Permittivity (a): 1–40 (soil range), ±1 a (unitless) 40–80, 15% of measurement Measurement Specifications Temperature Range: –40 to +60 °C Resolution: 0.10 °C Accuracy: ±1.0 °C from –40 to 0 °C ±0.5 °C from 0 to +60 °C Dielectric Measurement Frequency 70 MHz Bulk Electrical Conductivity (EC) Range: 0–20,000 S/cm (bulk) Resolution: 1 S/cm Accuracy: +/- (5% + 10 S/cm) from 0–10,000 S/cm +/- 8% from 10,000–20,000 S/cm
2	EQUAESIRR0004	WEATHER STATION	1	Nos	Wireless ET Weather Station (900MHz RadioCommunication) measures Temperature, Relative Humidity, Rainfall, Wind Speed/Direction, Solar Radiation and ET.