



2025 G.A. HARRIS FELLOWSHIP PRICE SHEET

METER

TEROS

TEROS 12 [†]	Soil moisture, temperature, and electrical conductivity, 5-meter	\$258
TEROS 12 [†]	Soil moisture, temperature, and electrical conductivity, 10-meter	\$292
TEROS 12 [†]	Soil moisture, temperature, and electrical conductivity, 15-meter	\$298
TEROS 12 [†]	Soil moisture, temperature, and electrical conductivity, 20-meter	\$305
TEROS 11 [†]	Soil moisture and temperature, 5-meter	\$218
TEROS 11 [†]	Soil moisture and temperature, 10-meter	\$252
TEROS 11 [†]	Soil moisture and temperature, 15-meter	\$258
TEROS 11 [†]	Soil moisture and temperature, 20-meter	\$264
TEROS 10 [†]	Soil moisture 5-meter	\$138
TEROS 10 [†]	Soil moisture 10-meter	\$172
TEROS 10 [†]	Soil moisture 15-meter	\$177
TEROS 10 [†]	Soil moisture 20-meter	\$183
TEROS 21 [†]	Matric potential (field capacity to air dry), 5-meter	\$274
TEROS 21 [†]	Matric potential (field capacity to air dry), 10-meter	\$308
TEROS 21 [†]	Matric potential (field capacity to air dry), 15-meter	\$314
TEROS 21 [†]	Matric potential (field capacity to air dry), 20-meter	\$321
TEROS 32 ^{††}	Matric Potential and Temp sensor for ZENTRA System, 40, 80, or 120 cm shaft length and multiple cable lengths (saturated to field capacity) [‡]	\$447-\$561
TEROS 54 ^{††}	Profile Soil Moisture Probe, 4 measuring depths: 15 cm, 30 cm, 45 cm and 60 cm, 5-meter cable	\$890
TEROS 06 ^{††}	Profile Soil Temperature Probe, sensing depths 5, 10, 20, 30, 50, 100 cm, range -20...+50°C, Cable length 4.5 m	\$630

[†]Data logger required

^{††}Pricing may vary based on shaft length and/or cable length. Some accessories required.

PHYTOS

PHYTOS 31 [†]	Leaf wetness sensor, 5-meter cable	\$164
PHYTOS 31 [†]	Leaf wetness sensor, 10-meter cable	\$201
PHYTOS 31 [†]	Leaf wetness sensor, 15-meter cable	\$209
PHYTOS 31 [†]	Leaf wetness sensor, 20-meter cable	\$215
AccuPAR LP-80	Ceptometer for leaf area index	\$3,795
SC-1	Leaf porometer for stomatal conductance	\$3,395

[†]Data logger required

ATMOS

ATMOS 14 ^{††}	Air temp, relative humidity, vapor pressure, barometric pressure	\$358
ATMOS 22 ^{††}	Ultrasonic anemometer	\$659
ATMOS 41 ^{††}	All-in-one weather station, microclimate sensor suite	\$2,195
ATMOS 41W	All-in-one Wireless weather station, microclimate sensor suite, ZENTRA Cloud pass required	\$2,495



2025 G.A. HARRIS FELLOWSHIP PRICE SHEET

METER

†Data logger required

*5-meter is the standard cable length; custom cable lengths are available.

ZENTRA

ZL6 Cellular	6-port data logger, including solar panel, enclosure, rechargeable batteries, Bluetooth connectivity, and 4G cellular transmission	\$729
ZL6 Wi-Fi	6-port data logger, including solar panel, enclosure, rechargeable batteries, Bluetooth connectivity, and Wi-Fi transmission	\$729
ZL6 season pass	Annual Software Subscription to ZENTRA Cloud per logger, hourly transmission	\$199
ZSC	ZSC Bluetooth Sensor Interface	\$89

HYDROS

SATURO	for saturated hydraulic conductivity (field), with carrying	\$6,395
G3	closed wick lysimeter – stainless steel DCT	\$2,195
G3 sensor (CTD+DG) †	, temperature, electrical conductivity sensor, 10-meter	\$598
G3 autopump †	3 accessory	\$625
HYDROS 21 (CTD-10) †	, temperature, electrical conductivity sensor, 10-meter	\$595
ES-2 †	, electrical conductivity sensor, 5-meter cable	\$238
Mini Disk	rometer for unsaturated hydraulic conductivity (field)	\$309

†Data logger required

DCT – Divergence control tube

LABROS

PARIO	Soil particle size analyzer	\$2,650
KSAT	Saturated hydraulic conductivity instrument (benchtop)	\$3,871
Hyprop	Soil moisture release curves (+2 to -185 kPa, average)	\$5,594
Hyprop Vacuum refill	Vacuum system and apparatus for degassing and refilling	\$3,504
VARIOS	Automated Thermal Dry out Curve	\$6,848
WP4C	Dew point potentiometer (-100 to -300,000 kPa)	\$8,915
TEROS 31 †	TEROS 31 Miniature Tensiometer, 2, 5, 7, 8, 20, 15, 20 cm shaft length options, 1.5-meter cable	\$546
TEROS 31 Refill	Refill Station for TEROS 31 tensiometers	\$349

†Data logger required

SUPPORTING SENSORS – for ZL6 loggers only

IRT	SI-411 Infrared thermometer from apogee, with mounting bracket and 5-meter cable ‡	\$1,004
PAR	SQ-521 Photosynthetically active radiation PAR sensor from Apogee with mounting bracket, leveling plate, and 5-meter cable	\$669
PYR	SP-110 Pyranometer PYR total solar radiation sensor from Apogee, with mounting bracket, leveling plate, and 5-meter cable	\$349
ECRN-50	Low-resolution rain gauge	\$233
ECRN-100	High-resolution rain gauge	\$462



2025 G.A. HARRIS FELLOWSHIP PRICE SHEET

METER

Soil Oxygen	SO-411 Soil Oxygen sensor from Apogee, requires 3 rd party power source	\$621
Net Radiometer	SN-500 Net Radiometer sensor from Apogee, with mounting hardware and 5-meter cable	\$3,676
UV-A Sensor	SU-221 UV-A Radiation sensor from Apogee with mounting hardware and 5-meter cable	\$665

†Four field-of-view options available: 14°, 18°, 22°, and rectangular

ACCESSORIES

ZL6 antenna extension	Antenna extension (external)	\$88
Bird Spike Kit	Bird deterrent for ATMOS 41 and ATMOS 41W	\$49
TEROS 32 Auger	Auger for TEROS 32 tensiometers	\$470
Refill Syringe	Refill Syringe BS60 for TEROS 32 tensiometers	\$24
TEROS Bit	TEROS Borehole installation tool for TEROS 10, TEROS 11, TEROS 12, and TEROS 21 sensors. Up to 2-meter installation depth, 1-meter extensions available deeper installations	\$1,576
TEROS Bit Ext	TEROS Bit Extension rod, 1 meter	\$185
TEROS 54 Combo Tool	Combined installation and Removal Tool for TEROS 54	\$1,050
T06 Auger	Gouge Auger for TEROS 06 soil temperature profile sensor	\$530
Sample Rings	250 mL soil sample rings for KSAT or HYPROP	\$51