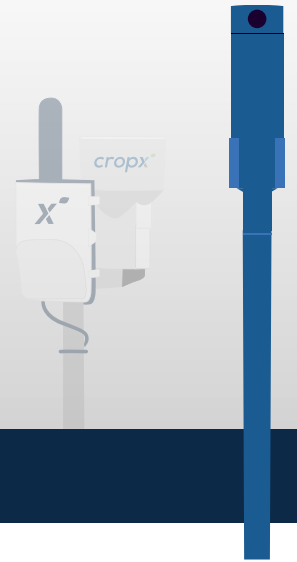


Apex



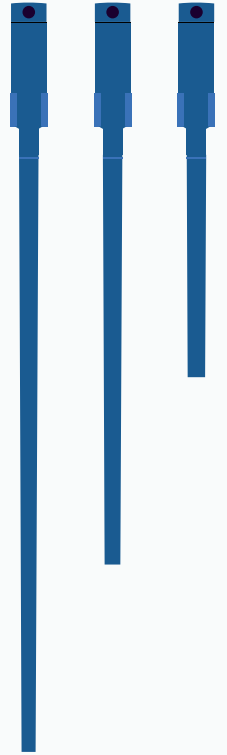
Technical Datasheet – Apex 1

PRODUCT SPECIFICATIONS

Measurements	Soil moisture Electrical conductivity Temperature
Available lengths	12, 24 and 36 inch
Voltage supply	5 volt nominal, range 5-12 V
Current consumption	130 mA active current
Operating conditions	14 °F to 158 °F 0-100 RH%
Storage conditions	32 °F to 158 °F 0-85 RH%
Measurement duration	~1 second per depth

PHYSICAL DIMENSIONS

Overall length	
Apex 90	47.6 inch
Apex 60	35.8 inch
Apex 30	24 inch
Head diameter	55 mm
Leg diameter	
Apex 90	30 - 25.5 mm
Apex 60	30 - 27 mm
Apex 30	30 - 28.5 mm
Weight	
Apex 90	2.2 lbs
Apex 60	1.8 lbs
Apex 30	1.32 lbs



MEASUREMENTS

Measurement depths	3, 6 or 9 every 4 inch (aprox.)
Soil moisture measurement method	Vector Reflectometry
Soil moisture range and accuracy	Moisture VWC: 0% - 60% ± 1%
Soil pore water conductivity	ECpw(dS/m): 0.05 - 18.00 ± 0.1
Temperature range and accuracy	-4 °F to 158 °F ± 2 °F

INTERFACE & MANAGEMENT

Communication	SDI-12
Connection	8-pins M16 male connector 3m cable with mating connector and open wires Red - V+ Yellow - Data Black - Ground
User interface	CropX web and mobile apps