

AUTOMATE YOUR PROCESSES
AUTOMATE YOUR LAB
INNOVATE

WITH *EasyPREP*
**SOIL
ANALYZER**

An automated robotic analyzer for rapid, simple and accurate pH analysis and EC measurement of soil samples in a variety of vessels.



Flexible to meet all of the requirements of ISO 10390 and 11265, EPA 9045D, Agriculture and Agri-Food Canada 84-001, pH and 84-003 salt methods, as well as many other custom methodologies.

SCP SCIENCE

Providing Innovative Solutions to Analytical Chemists

FEATURES

- Supplied with dual cassettes for analysis of 2 samples simultaneously.
- Each cassette contains a pH electrode, a spring-loaded speed-adjustable stirring mechanism, and 2 dispensing tips.
- Optional Dual Electrode Accessory includes two additional cassettes, to analyze a total of 4 samples simultaneously.
- Up to 5 point pH calibration and 2 point EC calibration.
- Dual pumps accurately dispense from 1-100 ml of up to two different reagents per sample. Better than 0.5% accuracy in delivery at 1 ml.
- Wash station is designed to properly clean electrodes and probes, to avoid cross contamination.
- Flexible Sample Racks
 - 72 positions with 100 ml tubes, and an additional 8 positions for pH buffer and QC sample positions.
 - 72 positions with 3 oz disposable cups, plastic or cardboard (Dixie cups), and an additional 8 positions for pH buffer and QC sample positions.

Specifications	pH Meter	Electro Conductivity Meter	Instrument Dimensions	
Reading Range	0-14	5-200,000 uS/cm	Length	115 cm
Accuracy	±0.002	< 5% of reading range	Width	74 cm
Repeatability	< 0.05%	<1%	Height	64 cm
			Weight	40 kg

SOFTWARE FEATURES

- Controller supplied with the system.
- Customized Quality Control function comes with the standard software.
- Measures pH, Conductivity and Sample Temperature.
- Ability to save and recall defined methods for fast setup of routine operations.
- Preprogrammed methods based upon published ISO and Standard methods. Preprogrammed methods can be modified and stored.
- Temperature measuring probe for each set of 4 probes.
- GPS coordinates of the exact sample location can be loaded, stored and reported with pH/EC data.
- Programmable sample ID, quick referencing and tracking of results.
- Data reports include the rack number and position, sample ID, buffer volume, stirring time, wait time, sample measurement time, and sample measurement (pH and/or EC value).
- Data can be exported in a .csv file, compatible with LIMS.

ORDERING INFORMATION

Item #	Description
010-460-001	<i>EasyPREP</i> pH / EC Soil Analyzer
010-460-004	Holder, for 100 ml / 3 oz Dixie-Cup Cassette
010-460-006	Dual Conductivity Electrode Accessory
010-460-008	Four pH Electrode Accessory
010-460-012	Rack, for 100 ml RackLock <i>DigiTUBE</i> s
010-460-014	Rack, for 3 oz Dixie-Cups

	Item #	Description
Accessories	010-460-016	Replacement Soil pH electrode
	010-460-018	Replacement Soil conductivity electrode
	010-460-020	Replacement Temperature Compensation Probe
	010-460-022	Replacement Stirrer
	010-460-024	Replacement Tubing Kit
	010-460-026	Replacement Electrode/Probe Cassette
Buffers and Reagents	010-600-034	Barcode reader, for rapid sample identification
	250-204-502	Buffer, pH 4, red, 5 L
	250-207-502	Buffer, pH 7, yellow, 5 L
	250-210-502	Buffer, pH 10, blue, 5 L
	250-240-492	Mehlich #1 Extracting Reagent Concentrate, 5 L
	250-240-502	Mehlich #1 Final Extraction Reagent, 5 L
	250-240-512	Mehlich Buffer Solution, 5 L



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