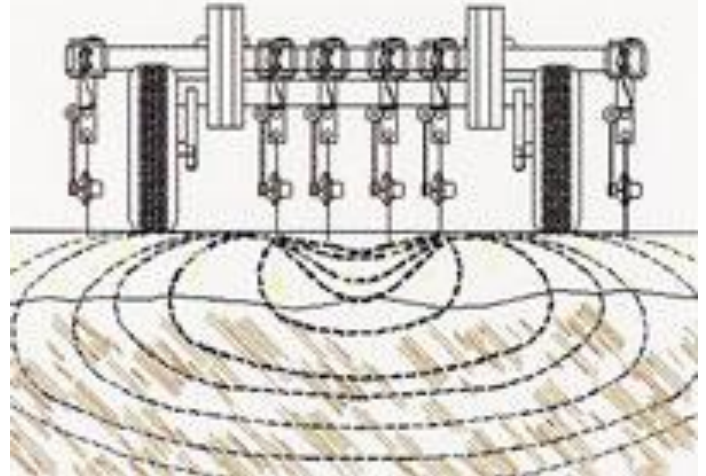


3150-C Soil EC Mapping System

Soil EC Mapping is Now Easier Than Ever...

The Veris 3150 has many of the proven features of the 3100, but is built on the Mobile Sensor Platform (MSP). Customers who envision mapping with other sensors in the future can get started using the MSP with EC 3150. The MSP provides additional flexibility: it can be used in a pull-type or 3-point hitch configuration. Its coulter-electrodes can be moved and wings extended to allow mapping in emerged row crops—or wings removed for vineyard or other narrow applications.

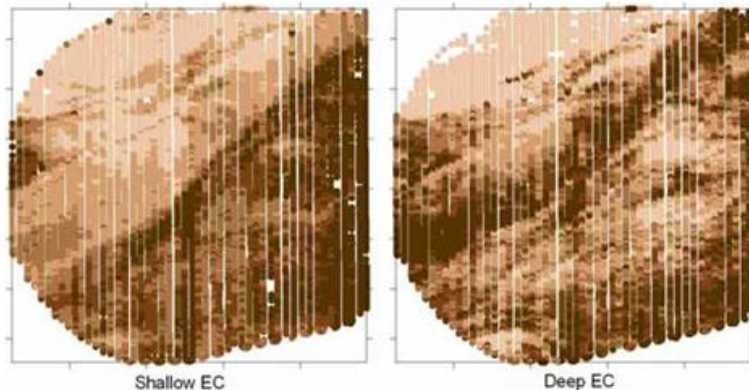


EC maps relate to soil texture and salinity—a fact that has been verified by extensive scientific research. Where the soil EC map shows the soil changes—you will find a change at that location. And the mapping only needs to be done once, unless you do significant soil moving. EC maps made a decade apart show the same soil management zones.

The Veris 3150 generates two sets of maps, a topsoil map from 0-18" (45 cm) and one of the soil profile 0-36" (91 cm). While uses vary, the top layer is often used for soil sample site selection, and the deeper map for variable rate populations and nitrogen management.



Yet it has the rugged welded steel framework, heavy-duty coulter-electrodes, dual depth arrays, and user simplicity that has made Veris EC systems the worldwide leader in on-the-go soil sensing.



3150-C Specifications

Overall dimensions—implement: width: 90" (229 cm); height: 52" (132 cm); length: 3-point: 28" (71 cm) pull-type: 100" (254 cm);

Weight: basic implement without weight package: 1270 lbs (576 kg)

Minimum horsepower required: 30 hp (requirements will vary based on speed, terrain, and soil conditions)

Coulter-electrode blade diameter: 17" (43 cm); thickness 4mm; with tapered roller bearings and cast iron hubs ; Rock guards for hub and cap protection

Warning light kit: stop, turn, and clearance lights

Tires: limited road use tires

Hitch: 2" ball coupler and safety chain with 7,000 lb rating (3173 kg);

Maximum field speed: 15 mph (25 km/hr)

Maximum transport speed: 30 mph (50 km/hr) Not intended for highway use

EC Surveyor instrument

Dimensions: 2 1/16 x 9 x 7.5 inches (55mm x 230 mm x 190 mm)

Power: 10-15 volts DC; cigarette lighter power cord included

Backlit transfective display

Input: GPS and EC signal cable (and pH)

GPS requirement: NMEA 0183 protocol; input from GGA and VTG or RMC strings at a 1 Hz rate (4800-8-N-1); serial connection with DB9 connector, female sockets; GPS signal on pin 2, ground on pin 5; no signal or power on other pins

Output: serial port to computer, recording device or Data-Logger; ASCII tab delimited EC and GPS text

Warning and alarm: LED data quality light

Sensor Data-Logger

80 pin PIC microprocessor

1 Hz logging rate

SD memory storage card

Firmware updates via SD card

Backlit transfective display

Power: 10-15 volts DC; cigarette lighter power cord included

Warning and alarm: LED data quality light and auditory alarm

SoilViewer Mapping software

Compatible with Windows XP

Displays EC data real-time for coverage verification and visual review of map quality

Records geo-referenced EC data to computer

For more information on Veris products, visit our web site, or call our corporate office: