

# P4000

- Soil Sensing
- Soil Coring

## The Veris P4000 hydraulic probe— ready for all soil profile investigations

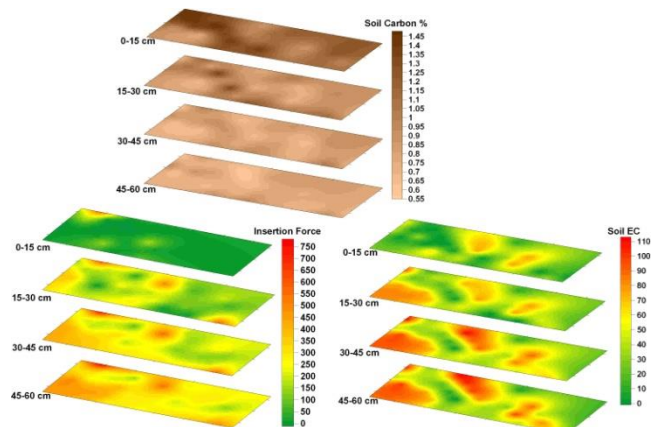
Whether you're collecting soil cores, measuring compaction, or characterizing soil profiles—the Veris line of hydraulic probes has the technology to meet your needs. The Veris Sensor probe acquires optical measurements in the Infrared and Red range, along with soil EC and insertion force sensing. Choose either a tractor-mounted or truck-bed skid mount. Both feature 54" (137 cm) stroke cylinders, hydraulic side-shift, convenient controls, and heavy-duty construction.



- **Solid, well-built push platforms:** choice of tractor-mounted or truck-bed skid mounts. All feature 54" (137 cm) stroke cylinders, hydraulic side-shift, convenient controls, and heavy-duty construction.

- **Superior core sampling:** Veris probes utilize tools and technology made famous by its sister company Geoprobe®, the worldwide leader in direct-push systems for deep soil sampling.

- **A complete package** for soil profile research and mapping—Dual Wavelength-Electrical Conductivity-Force probe for mapping soil color, compaction and texture changes. These new technologies, along with core sampling, provide rapid and efficient calibration to various soil properties, including carbon.



## Specifications and Standard Features

### Probe push platform

- 3-point mounted implement frame
- 54" stroke cylinder
- Hydraulic rack and pinion side-shift
- Hydraulic foot
- Hydraulic controls
- 3-point stabilizers

### Dimensions:

3-point probe: length (depth front to rear): 32" (81 cm); width: 48" (121 cm); height (cyl. retracted): 71" (180 cm); weight: 800 lbs. (363 kg)

## Options

### Tools: Core Sampling Options

- Hydraulic rotation kit: includes hydraulic motor, hoses, valves, and controls
- Hydraulic hammer kit: includes hydraulic hammer, hoses, valves, and controls (not for use with electronic probes)
- Core sampling tubes: 2" OD (5 cm); 35" (89 cm) length; polymer liners
- Cutting shoes—replaceable; standard and serrated; several relief choices

### Sensors: DW-EC-Force Module:

- Electronics: OpticMapper with probe functions
- Acquisition Computer: user supplied (requires MS Windows)
- Instrumentation interface: USB 1.1/2.0
- Probe: 40" (102 cm) x 1"(2.54 cm) diameter; sapphire window dipole EC contacts, load cell force sensor
- Depth recording: electronic stringpot

### Other Options

- Sensor probe kits for Giddings probes

