



# SOIL SAMPLER

## ATV MOUNT

*The system is designed to be mounted on ATVs and other vehicles. It takes samples at 20 cm and 40 cm deep and subsamples semi-automatically.*



## WORK LOG

*The system is designed to be mounted on ATVs from 350 to 500 cc, but it can easily be adapted to other vehicles. The actuator key-pad and sample container are within fingertip reach to avoid having to descend from the vehicle during sample collection.*

*The VSoil software can be used with a palm-top computer (not included) to generate sampling grids and sampling points monitoring within the field.*





## TECHNICAL FEATURES

### Sampler tube

- Sampler tube
- Tip diameter: 25 mm.
- Tip speed: 120 RPM maximum.
- Sampling depth: 20-40 cm.
- Sampling container capacity: 1 Kg.
- Amount extracted per drilling: approx. 80 grams.\*
- Drilling time: 40 seconds.

\* Sample weight depends directly on soil condition and type.

### Hydraulic power

- Hydraulic pump: 2.6 cc (7.5 LPM @ 3000 RPM).
- Hydraulic oil tank: 13.5 liters (at half level).
- Manually adjustable valves for rotation and lowering speeds.
- GX 160 Honda engine.
- Continuous power: 3.4 HP @ 3000 RPM.
- Fuel tank: 3.1 liters.
- Consumption: 1.4 litres/hour.
- Oil: 0.6 litres.

## ELECTRIC BOARD

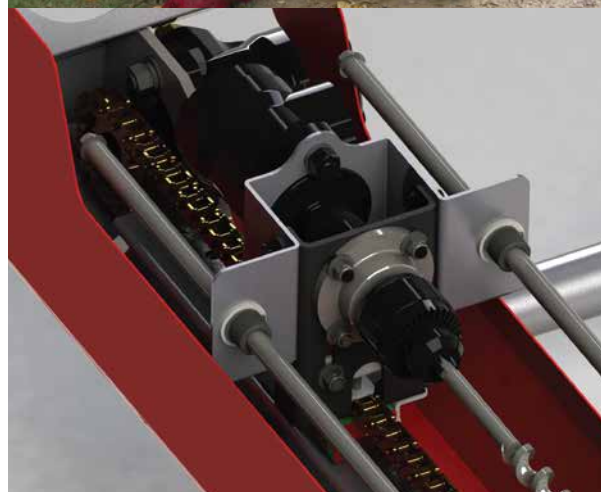
- 12- volt battery connection.
- Manual control with key-pad, automatic detention at 20 cm or 40 cm.
- Tip with reverse rotation for easy removal.

## OPERATION

A 3 to 4 HP motor provides the power to drive a hydraulic pump.

A solenoid valve controlled with the push-buttons derives the pump both to a hydraulic motor which drives the borehole and to a second motor which drives the lifting and lowering system of the borehole, hence all movements are powered from the push-buttons.

The above described set is mounted on a chassis for easy installation on the vehicle.



### ARGENTINA

Intendente Campos 1617/23, San Martín - Buenos Aires  
Rotary lines: (+5411) 4724-1300 ext. 172  
agricultura@verion.com.ar | www.agriculturaverion.com.ar

### COLOMBIA

Trv. 93 # 53-32 Bg. 17 Parque Empresarial El Dorado  
Tel: +57 (1) 467-2473/2533/2540  
ventas@agriculturaverion.com.co | www.agriculturaverion.com.co