

# FOG// Digital Soil Calcimeter



On the go determination of the total inorganic carbon as equivalent calcium carbonate content with GPS technology



## FOG// Digital Soil Calcimeter™

Now total carbonate content measurements is as simple as never before. The FOG// Digital Soil Calcimeter with automatic temperature compensation (patented) offers dramatically improved levels of performance, productivity, reliability, ease of use and on the go flexibility . FOG//Digital Soil Calcimeter provide best accuracy in total carbonate content measurements with GPS capabilities and storing data in a memory.

### Ordering details

**FOG//Basic :** FOG//Calcimeter including bottle, cuvettes, calibration  $\text{CaCO}_3$  standard, power supply, operating manual.

**FOG//FieldKit :** FOG//Calcimeter and accessories as with Basic version, also with balance 0.01g, calibration  $\text{CaCO}_3$  std, hard plastic carry case complete for field analysis

### Accessories

**GPS module :** GPS receiver for field measurements (factory installed)

### Spare Parts

**BT100 :** Replacement bottle

**HC-150 :** Head cup complete

### Specifications

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User Interface:	Keyboard membrane, Back lighted LCD.
Power Supply:	3 x AA alkaline or rechargeable batteries
Units:	% $\text{CaCO}_3$
Working Range:	0 - 100% $\text{CaCO}_3$
Accuracy/Resolution:	0.5% / 0.1% $\text{CaCO}_3$
Linearity ( $r^2$ ):	0.999
Temperature:	Automatic compensation with build in temperature sensor 5 – 50°C
Reaction Vessel:	Glass bottle
Sample Volume:	0.5–5g
Sample Analysis Time:	Approx. 30 sec
Memory	The last 50 measurements can be stored internally
Protection	IP65
Dimensions LxWxH:	200 x 94 x 39mm (package 640x400x150mm)
Weight:	350g
Material:	Case: ABS (UL 94 HB) · Membrane keyboard: Polyester (PET) · Display: Resin coated (scratch resistant)
CE Mark:	Complies with the EU directive
Standards:	Complies with EN ISO 10693, ASTM D4373-02 and Soil Science Society of America standard test methods for calcium carbonate content in soils and sediments.