

# GENERAL LABORATORY EQUIPMENT



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For soil research in the laboratory a number of quality instruments are included in the program.

memorized in two separate stores. The balance is battery fed.

## Weighing soil samples

### 98.01.03 Mechanical balance

A sturdy mechanical balance for weighing of (soil) samples. Using the adjustable weights it is possible to weigh up to 610 grams. By using the extra weights the maximum weighing capacity can be extended to up to 2610 grams. The accuracy is 0.1 gram.

### 98.02.03 Portable electronic (field) balance

The portable electronic balance with digital reading allows for accurate weighing in the field. The weighing capacity is 320 gram with an accuracy of 0.1 gram. The balance with hinged cover is highly protected against all kinds of pressure. The wallet-size can be conveniently kept in a jacket pocket. Nett-total weighing is possible: weight of tare-cup and weight of components are

### 98.02.04 Electronic balance, capacity 2000 g

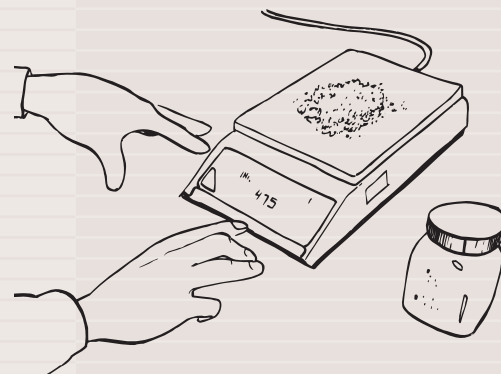
### 98.02.08 Idem, capacity 4000 g

Electronic, battery operated balances with a capacity of resp. 2000 and 4000 g and an accuracy of resp. 0.1 g and 1 g. The housing is dust and splashwater proof (IP 54). The various functions of the balance can be controlled easily using the four menu buttons. To adjust the accuracy of the balances a built-in calibration program can be used. The balance has a stainless steel weighing plate of resp. 130x130 mm and 170 x 150 mm.

### 98.02.05 Electronic balance, cap. 12000 g

Electronic balance with a capacity of 12000 g and an accuracy of 1 g. Stainless steel weighing plate 230 x 180 mm. Dust and splashwater proof housing. With calibration program and easy to use 4-key pad. The balance is supplied with a mains adapter 230 V/50 Hz.

**In the field as well as in the laboratory the sample can be weighed accurately.**



Mechanical balance



Electronic balance capacity 4000 g

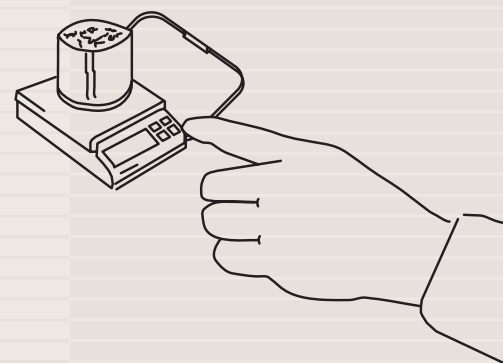


Portable field balance



Electronic balance capacity 12000 g

**The sample is weighed using the portable electronic balance.**



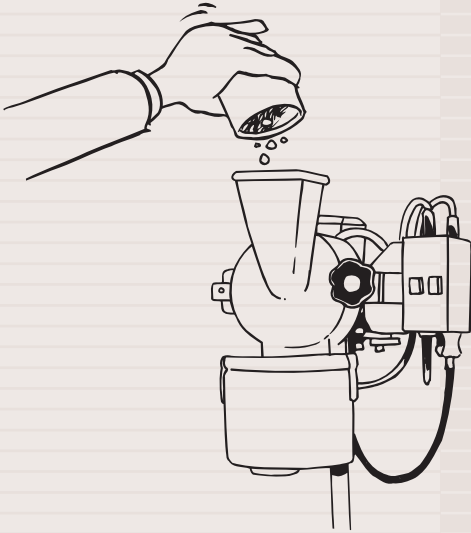


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## GENERAL LABORATORY EQUIPMENT

**The sample is crushed  
in the soil crusher.**



### Sample preparation

#### 98.22 Soil crusher

A machine for the pulverisation of soft, halfhard and brittle materials (hardness of up to 6 Mohs).

The maximum grain-size of the material is 20 mm.

The machine is fitted with a cast iron grinding section.

The ground material is caught in a cast iron tray. Depending on the feed material and the bottom sieve used a capacity of between 0.05 and 80 kg per hour can be realized. The reduction of between 0.07 to 8 mm also depends on the feed material and the bottom sieve applied. The final fineness always is smaller (approximately 70%) than the holes in the sieve used.

A safety button prevents that the apparatus can be switched on when opened. The stable and maintenance free design and the fact that the grinding section can be replaced guarantee a long life. The program includes bottom sieves with holes with various diameters.

#### 98.23 Soil stirrer

Soil stirring device for the mixing of soil/water solutions using an electrically powered fourpart blade, 230 V - 50 Hz.

The number of rotations can be set either on 13.000, 16.000 or 18.000 rotations per minute.

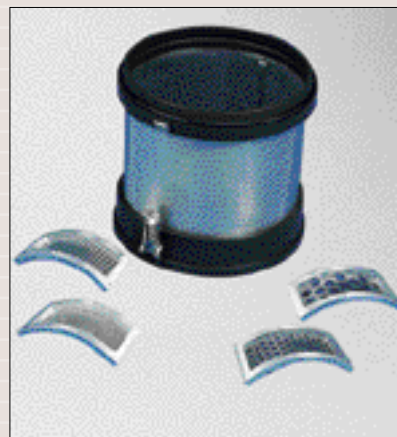
The apparatus is fitted with an automatic start/stop function.

The engine is placed in a rubber support reducing noise and vibrations to a minimum.

The soil stirring apparatus is supplied inclusive a mixing beaker with a contents of 1 liter. Additional mixing beakers can be obtained separate.



Soil crusher



Sieves for soil crusher



Soil stirrer