

S143 KIT PARTICLE SIZE DISTRIBUTION PIPETTE METHOD

STANDARD: BS 1377:2

This equipment is used to determine the quantitative size distribution of very fine particle in soils, like clay and silt.

The complete set comprises:

- S144** Andreasen pipette, 25 ml capacity, for an accurate extraction of the quantities of soil in suspension for analysis.
 - S144-01** Pipette stand, to accurately raise and lower the pipette with no transmission of vibration to not disturb the sample suspension. Weight: 10 kg
 - S144-02** Sedimentation cylinder, 500 ml capacity
 - S144-03** Rubber bung for cylinder
 - S144-04** Evaporating dish, glass, Ø 90 by 50 mm height.
 - V172-03** Soil hydrometer, long stem, 0.995 to 1030 g/ml.
 - S155-04** Glass tank, dimensions: 600x300x380 mm.
 - S155-09** Heater, **professional type**, complete with thermostat, cooling coil, circulation unit.
Alternative: S155-09S simple type, see p. 474
 - S155-10** Thermometer, range 0 - 50 °C, subd. 0.5 °C.
- Total weight:** 40 kg approx.

 **Note:** each item can be ordered separately.

ACCESSORIES

- S144-10** ANDREASEN PIPETTE, capacity: 10 ml
- C306-03** CONTROL PANEL, complete with on/off switch and electric protections, to get S155-09 heater to CE Safety Directive.
- A117** END-OVER-END SHAKER. Technical details: see p. 60



S157 KIT METHYLENE BLUE TEST SET

CLAY CONTENT IN FINE AGGREGATES

STANDARDS: EN 933-9 | NF P94-068 | UNI 8520-15 | UNE 83180

Utilized to determine the clay content in the fine portions of aggregates. The set comprises:

- S157-01** Electric stirrer adjustable from 400 to 700 rpm, complete with Ø 70 mm propeller. 230V 1ph 50-60Hz
- S157-06** Support base for stirrer
- S157-02** Burette 50 x 0.1 ml with stopcock
- S157-07** Support base for burette
- S157-08** Pan 200x150x80 mm
- S157-03** Filter paper Ø 90 mm (pack of 100)
- S157-04** Glass rod Ø 8x300 mm
- S157-05** 2000 ml capacity plastic beaker
- V300-28** Methylene blue, 100 g
- V300-29** Kaolinite, 500 g

Total Weight: 10 kg approx.

 **Note:** each item can be ordered separately.

- S157-10** AUTOMATIC DISPENSER, 0-10 ml x 0.1 ml grad. Capacity 1000 ml (alternative to S157-02+S157-07)



S157-20 AUTOMATIC METHYLENE BLUE TESTER

This instrument determines automatically the quantity of clay in sand. It grants accurate and repeatable test results, saving a lot of time (approx. 30 minutes each test). The apparatus is composed of: precision pump, colorimeter, control unit, filters, liquids, powder, accessories.

To perform the test S157-01 and S157-06 devices are also needed.

Power supply: 230V 1ph 50Hz
Dimensions: 300x400x350 mm
Weight: 10 kg approx.



S157-20