Liquid limit devices

Used to evaluate the relationship between the moisture percentage of a soil sample and the number of blows required to close a groove made into the soil and therefore to determine when a clay soil changes from a plastic to a liquid state.

The unit comprises a removable brass cup which through a cam device drops on a bakelite base (or hard rubber base). Supplied complete with drops counter, but without grooving tool which has to be ordered separately.

The instrument is available in two versions:

- hand operated through crank (left or right side)
- motor operated at 120 drops/min speed, ensuring better uniformity and accuracy

Models availables :

S170 : Liquid limit device
Hand operated with left side crank and hard rubber base.
Standards: ASTM D4318 | AASHTO T89 | UNI 10014 comparable to: BS 1377:2 | UNE 7377
Weight: 3 kg approx.

S170-05 : Liquid limit device
Hand operated. Same as mod. S170, but with right side crank.

S170-01 : Liquid limit device
Hand operated with bakelite base, chromed cup.
Standard: NF P94-051-1

S172 : Liquid limit device
Motor operated with hard rubber base.
Standards: ASTM D4318 | AASHTO T89 | UNI 10014 comparable to: BS 1377:2 | UNE 7377
Power supply: 230V 1ph 50Hz
Weight: 4.5 kg approx.

S172-01 : Liquid limit device
Standard: NF P94-051
Motor operated with bakelite base, chromed cup.
Power supply: 230V 1ph 50Hz

Accessories :

- **S173-02** Rought brass cup, with central smooth band 10 mm wide, as requested by NF P94-051 Standard, used forsoils having low plasticity
- **S173-03** Grooving tool, to UNI 10014 - AASHTO T89 Spec.
- **S173-04** Grooving tool, to ASTM D 4318 Specifications
- **S173-05** Grooving tool, to NF P94-051-1 Specifications
- **S173-06** Grooving tool, to BS 1377:2 Specification

Spare parts :

- **S173-01** Brass cup. (ASTM, BS, UNI, UNE, AASHTO).
- **S173-07** Chromed cup (NF P94-051-1).
- **S173-08** Coupling piece between cup and device, hand operated models.
- **S173-09** Coupling piece between cup and device, motor operated models.

BAG-MacBen BV
Oostjachtpark 12,
B-9100 Sint-Niklaas
T: +32 3 771 48 04 info@macben.eu
www.macben.eu

BAG-MacBen
Smederijstraat 2,
NL-4814 DB Breda
T: +31 765 30 23 73 sales@macben.eu
www.macben.eu