

Equipment for determination of density of fine grained soil according European General CEN ISO / TS 17892-2 or equivalent standard requirements

Equipment is equipped with all necessary units according to CEN ISO / TS 17892-2.

1.2 Equipment for determination of particle density according CEN ISO / TS 17892-3 or equivalent standard.

Equipment is equipped with all necessary units according to CEN ISO / TS 17892-3.

Additional equipment:

- 50ml pycnometer (more than 4 unit);
- 100 ml pycnometer (more than 4 unit).

Metler Toledo MS204S FACT balance:

- resolution not higher than 0.1mg accuracy 0.2mg;
- weight limit not less than 200g. automatic internal calibration.

Includes statistical functions and possibility to create formulae

1.3 Equipment for determination of water content according CEN ISO / TS 17892-1.

Equipment is equipped with all necessary units according to CEN ISO / TS 17892-1.

1. Drying oven with forced air change;
2. Volume 100–150 liter; temperature $\geq 250^{\circ}\text{C}$;
3. Stability of temperature $\pm 2^{\circ}\text{C}$;
4. Resolution of temperature not greater 0.1C.

1.4 Equipment for determination of particle size distribution according CEN ISO / TS 17892-4.

Equipment is equipped with all necessary units according to CEN ISO / TS 17892-4.

1. Impact Ltd sieves diameter $\geq 200\text{mm}$, height $\geq 50\text{mm}$; Sieves meshes (0.063; 0.075; 0.125; 0.150; 0.212; 0.300; 0.425; 0.600; 1.18; 2.0; 3.35; 4.0; 4.75);
2. Impact Ltd sieves diameter $\geq 300\text{mm}$, height $\geq 50\text{mm}$; Sieves meshes (5.0; 6.3; 10.0; 14.0; 20.0; 31.5; 45.0; 50.0; 63.0);
3. Controls Ltd sieves shaker with 3D movement and regulation of frequency and time. The possibility to shake not less than 12 sieves simultaneously.

Sieves satisfy ISO3310-1 standard requirement.

1.5 Equipment for determination of Atterberg limits according CEN ISO/TS 17892-12 standard.

Equipment is equipped with all necessary units according to CEN ISO / TS 17892-12 or equivalent standard.

Controls Ltd device for penetration test have:

- Adjustable stand arm with electronic starting mechanism (measuring resolution 0.01mm);
- Cones 80g/30° and 60g/60.

1.6 Froewag Ltd automatic compactor for Proctor test according to BS 1377-4 or equivalent standard, with 100, 150 and 250 diameter mould for Proctor and CBR tests.

Additional requirement:

- Fully automatic compaction of the specimen for Proctor and CBR tests;
- Safety EU CE requirement;
- Equipped with all units for CBR test according EN 13286-47 or equivalent standard.

Metler Toledo MS32001L FACT balance:

- automatical internal calibration;
- weight limit not less than 32 kg;
- Resolution 0.1g, accuracy not less 0.3g;

Includes statistical functions and possibility to create formulae