

S230
ASTM | AASHTO BALLOON DENSITY APPARATUS

1600 ML CAPACITY

STANDARDS: ASTM D2167 | AASHTO T205 | CNR N° 22

Used to determine the in-situ density of fine graded compacted or bonded soil. The apparatus is placed over the hole excavated in the soil, and water is pumped into a rubber balloon and forced into the hole. The amount of water displaced into the balloon is measured from the graduation of the scale. The instrument consists of a graduated plexiglass cylinder 1600 ml capacity housed within an aluminium alloy casting, a rubber pump with stop valve, a density plate and 12 rubber balloons.

Dimensions: 340x340x700 mm

Weight: 6 kg approx.

SPARE
S230-01 Rubber balloons, pack of 12

S232
NF BALLOON DENSITY APPARATUS

3000 ML CAPACITY

STANDARD: NF P94-061-2

Used to determine the in-situ density of fine graded compacted or bonded soil, this unit has the same test system of mod. S230, but with a capacity of 3000 ml as requested by French Specification.

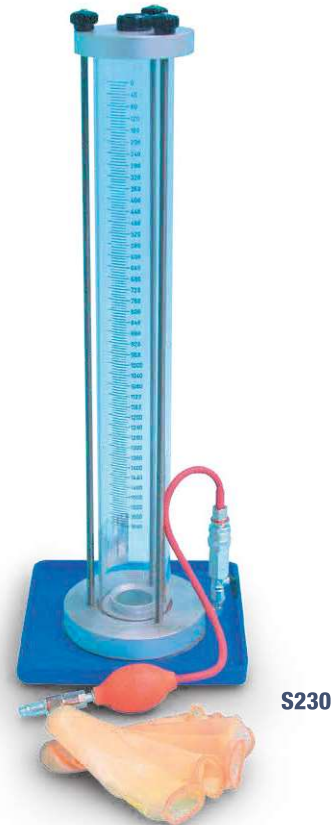
A hand-driven piston forces the water into the rubber membrane. A dial gauge measures the water pressure so to execute all the test at the same pressure.

An index engraved on the stem of the piston measures the volume of water filling the hole.

The unit is supplied complete with 6 reinforced rubber membranes, 4 locking clamps, base plate, accessories.

Dimensions: 360x360x700 mm

Weight: 10 kg approx.

SPARE
S232-01 Reinforced rubber membrane, pack of 6

S233
NF BALLOON DENSITY APPARATUS

6000 ML CAPACITY

Identical to mod. S232, but with capacity of 6 litres.

Weight: 15 kg approx.

SPARE
S233-01 Reinforced rubber membrane, pack of 6

ACCESSORIES

Used for levelling, digging, collecting and maintaining the soil samples:

S240-01	SCRAPER to level the ground	V198	CHISEL 300 mm long x 25 mm wide
S240-02	METAL DIBBER TOOL	V186	DENSITY SPOON, big sized
S240-05	METAL POINTED ROD	V188	TROWEL, 100x200 mm
V195	RUBBER MALLET Ø 50 mm	V183	ALUMINIUM SCOOP 325 cc
V193	STEEL HAMMER 300 g	V125-03	TINNED CAN 5 litre cap.
V194	STEEL HAMMER 2 kg		
V199	DENSITY PICK		