

Product Code

UTS-0990 Balloon Density Apparatus 1600 ml ASTM
UTS-0992 Balloon Density Apparatus 3000 ml NF

Standards

ASTM D2167; NF P94-061-2: AASHTO T205

UTS-0990 (1600 ml) and UTS-0992 (3000 ml) Balloon Density Apparatus are used for the on-site determination of the density of well bonded soil according to the ASTM and French standards respectively.

UTS-0990 consists of a graduated cylinder of 1596 ml capacity housed inside an aluminium guard, a reversible rubber aspirator pump, a density plate 9 inches square, and 12 rubber balloons. The principle of operation is similar to the sand replacement but the hole is filled by a rubber balloon where water is pumped. The amount of water can be easily determined by the graduation of the cylinder.

The capacity of UTS-0992 apparatus is 3000 ml. A metal cylinder is filled with water which is then pumped into a rubber membrane mounted on the base of the cylinder. The water pressure is controlled by a pressure gauge and the volume of the balloon is measured on the graduated piston stem.



NF Type Balloon Density Apparatus is supplied complete with

- Reinforced Membranes, 6 pcs./pack
- Base Plate
- Locking Clamps, 3 pcs.

ASTM Type Balloon Density Apparatus is supplied complete with

- Rubber balloons, 12 pcs
- Density Plate

Product Code	Dimensions	Weight (approx.)
UTS-0990	250x250x700 mm	7 kg
UTS-0992	360x360x1000 mm	10 kg