



Ankarin Material Testing Equipment

SPECIFIC GRAVITY TEST APPARATUS

The device is designed in accordance with TS EN 1936, TS EN 14617-1, TS EN 12390-7, and TS EN 1097-6 standards. It consists of a precision balance equipped with an under-hook connection and a water tank assembly, suitable for weighing suspended samples in water. The device is capable of reliably and reproducibly measuring the mass of aggregate and natural stone samples in water. The weighing unit features a digital display (for some models, the balance must be ordered separately) and ensures stable readings, preventing measurements from being recorded before the weight value has stabilized. The balance capacity can be selected by the user as 6 kg, 10 kg, or 30 kg (must be specified at the time of order). An under-hook system is provided beneath the balance to allow for weighing within the water tank. The water tank is sized to ensure the sample remains suspended without touching the tank walls, enabling contact-free and vibration-free weighing. A stainless steel suspension fixture or wire basket (to be specified at the time of order) is included to suspend the sample in the water; the fixture is designed to ensure the sample is fully submerged and positioned without friction against the water. All parts in contact with water are corrosion-resistant. The balance platform and under-hook system are robust, impact-resistant, and designed for long-term durability.

A plastic water tank is included in the set. The Specific Gravity Assembly is designed for use with an under-hook weighing balance, allowing the sample to be weighed both in air and in water.

A cube sample holder may be ordered separately if required. The device features a rotary mechanism with a lever that allows for adjusting the height of the water bucket.

