

IS 10079: 1982 Cylindrical Metal Measures for Use in Tests of Aggregates and Concrete – Specification

This standard defines the specifications for cylindrical metal measures utilized in testing aggregates and concrete. The primary applications include determining bulk density and voids in aggregates, as well as calculating weight per cubic meter, yield, cement factor, and air content of freshly mixed concrete.

The metal measures are manufactured in various capacities (3, 10, 15, 20, and 30 litres) using mild steel. Detailed dimensions with allowable tolerances and construction guidelines ensure accurate and reproducible test results. The measures are designed to be durable and watertight, with optional handles for easy handling. Accessories such as tamping rods and bars, made of mild steel, are provided to facilitate testing.

This standard emphasizes adherence to specified dimensions, construction quality, and labelling for consistent use in concrete and aggregate testing. It also mentions the marking requirements for manufacturer information and certification which ensure the product traceability.