

LIQUID LIMIT

BE 05

The liquid limit, which marks the moisture content where soil transitions from a plastic to a liquid state, is crucial for assessing the potential characteristics of soil material. It indicates the soil's shear strength when combined with water. The liquid limit can be measured using either the Casagrande Method or the Cone Penetrometer Method.

CASAGRANDA METHOD

The Casagrande Method is a widely accepted, standardized test in soil mechanics used to determine the liquid limit of soil. It ensures reliable and consistent results through its high-quality design and compliance with international standards. A motorized version with an integrated blow counter is also available for enhanced precision.

The Liquid Limit Device features a hard rubber base supporting a sliding carriage with a hinged brass cup. The cup is lifted and dropped from a height of 1 cm onto the rubber base using a lead screw located at the back of the carriage. The device comes complete with a Casagrande grooving tool and a gauge block (Type A, as per IS: 9259).

STANDARDS FOLLOWING

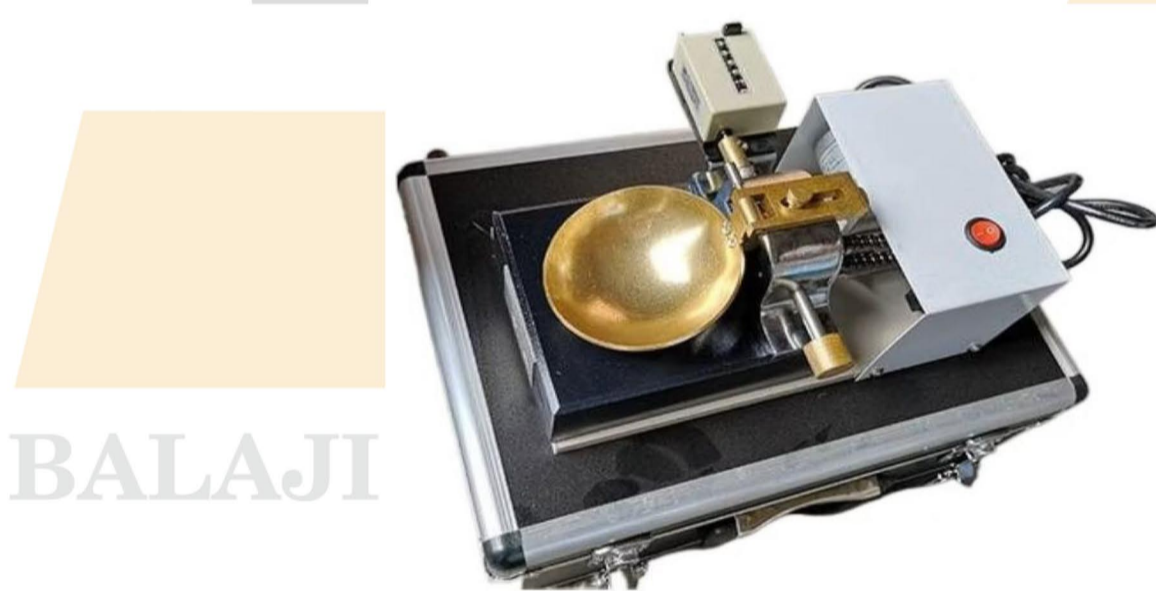
IS 2720 (part 5), IS: 9259.BS:1377-2, ASTM D4318, **AASHTO T89**

DESCRIPTION

BE 05-01	Liquid limit	Hand Operated
BE 05-02	Grooving Tool	A grooving tool is provided to create a standardized groove in the soil paste. This groove serves as a reference point to observe the soil's behavior as it transitions from plastic to liquid state.

MOTORIZED LIQUID LIMIT DEVICES

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BALAJI

HAND OPERATED LIQUID LIMIT DEVICES

BE 05-01

