



MODEL TO-040 AND TO-041 LIQUID LIMIT DEVICE

GENERAL DESCRIPTION:

The Liquid Limit is the water content at which soil changes from liquid to a plastic state. From an instrumentation perspective, the Liquid Limit is measured as the point where two halves of a soil sample flow together when jolted in a particular fashion. The equipment consists of a brass cup which is repeatedly dropped by a distance of 1cm onto a hard rubber base.

KEY FEATURES:

- High quality design that ensures consistent results.
- Compliant with most relevant international standards.
- Motorised version with an integrated counter available.

TYPICAL PROCEDURE:

The soil sample is placed in the cup and a groove applied down the center of the sample using the Casagrande grooving tool and gauge block. The cup is raised and allowed to fall a distance of 1 cm onto a hard rubber base, at a rate of 2 drops per second, during which the groove closes up gradually as result of the impact. The number of drops required for the groove to close is recorded.

RELEVANT STANDARDS:

ASTM D4318; AASHTO T89, T90; BS 1377; IS 9259



ORDERING INFORMATION:

Motorized Liquid Limit Device:

TO-040-BS-01:	For 110V 60Hz
TO-040-BS-02:	For 220V 60Hz
TO-040-BS-03:	For 220V 50Hz
TO-040-ASTM-01:	For 110V 60Hz
TO-040-ASTM-02:	For 220V 60Hz
TO-040-ASTM-03:	For 220V 50Hz

Manual Liquid Limit Device:
TO-041-BS



OPTIONAL ACCESSORIES:

TO-0402 ASTM Grooving Tool Type "B"



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