

## In-Situ Sampling and Preparation

### UMI - 130

#### Riffle Sample Divider

#### Ref. Standards

IS 1607-1977, 2720, ASTM C 136, D421, D422, D427, D4517, D452, D457, D806, D4318,

BS : 812

(PART 103), 1377, AASHTO T27, T87.

For the rapid collection of true representative sample from aggregates, sand and fillers, sample divider is required.

Riffle Sample Divider consists of metal box fitted with a series of chutes of equal width which discharge the material alternatively in opposite directions into separate pans. The chutes of the riffle are steep enough to allow rapid flow of the material.

Supplied complete with three containers.



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## Moisture Content

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Moisture content of soil is generally measured as a ratio of the weight of water to the weight of solid, expressed as a percentage. As soil behaviour depends on its moisture contents it is one of the basic parameter defining the soil condition.

To a control engineer, even a rapid moisture content check is extremely useful, as it gives an indication of the existing characteristics of the soil, which enables him some extent to decide on the pattern of test programme.

A number of procedures have been suggested for carrying out water content tests in

IS : 2720 (Part 2); BS : 1377, 1924 and ASTM D2216.

The equipment listed below gives a range of suitable apparatus for this purpose.



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Rapid Moisture Meter With Carrying Case