

SPEEDY MOISTURE METER

BE 03

The Speedy Moisture Meter is a device used to quickly measure the moisture content in materials like soil, sand, and other fine-grained substances with good accuracy, following standards IS:2720 (Part 2) and IS:12175. It works by mixing the sample with calcium carbide, which reacts with the water in the sample to produce acetylene gas. The amount of gas generated is proportional to the moisture present in the sample. This gas builds up pressure inside the device, which is measured by a built-in gauge. The gauge shows the moisture content as a percentage of the sample's wet weight. You can then use a formula to convert this reading to the moisture content based on the sample's dry weight.

STANDARD FOLLOWING

IS 2729 (PART 2)

ITS TWO TYPPE EQUIPMENT

BE 03 -01	
Range	0-25%
Gauge Division	0.5%
BE 03 -02	
Range	0-50%
Gauge Division	1%

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