



# MODEL TO-340-A

## AIR ENTRAINMENT METER TYPE A

### EQUIPMENT DESCRIPTION:

Entrainment of a small amount of air in the cement concrete has been found to improve considerably the durability of concrete. The recommended limits specified for the air content are between 3% and 6.5%. Smaller percentages may result in deterioration taking place more quickly and larger percentages may reduce the strength without any improvement in the durability of concrete.

Further, when use of admixtures is made to increase workability of concrete, a check of the air content is required to ensure that the percentage of air remains between 1 to 2 % to get the optimum performance of the concrete structure. For determining these percentages, Air Entrainment Meter, as specified in ASTM standards.

It consists of a pressure-tight flanged cylindrical measuring bowl, fitted with a removable flanged and a conical cover assembly with a seal in-between. The conical cover has an air valve and a pet cock for bleeding-off the water. A cylindrical stand pipe, which is graduated in percent air content, is fixed on the conical cover assembly.

Required pressure is applied to the specimen with the help of a pressure bulb. The whole assembly is mounted on a flat base. Each apparatus is supplied complete with a calibrating cylinder, pressure gauge, funnel, trowel and tamping bar.



### APPLICABLE STANDARDS

EN 12350-7; ASTM C 231,



### SUPPLIED AS STANDARD WITH:

- Calibration Kit
- Rubber Mallet
- Tamping Rod
- Gauging Trowel
- Measuring Cylinder
- Straight Edge



### OPTIONAL ACCESSORIES

- Calibration Kit
- Rubber Mallet
- TO-345 Tamping Rod
- TO-428 Gauging Trowel
- Measuring Cylinder
- Straight Edge
- Syringe



### ORDERING INFORMATION:

- TO-340-A Air Entrainment Meter Type A
- TO-341-A Air Entrainment 10lts Type A
- TO-342-A Air Entrainment 100lts Type A

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