



OPERATING INSTRUCTIONS

Type B Concrete Air Meter

Model CA-0500

The following instructions are intended only as a guide for general operating of the meter. For complete and detailed test operating instructions, please refer to ASTM C-231 or AASHTO T152 specifications.

1. Dampen the interior of the meters bowl and place it on a flat, level, and firm surface. Fill bowl with concrete sample according to ASTM C-231 Specifications, part 8. Now, strike off the top surface of the bowl until it is just level full. Clean bowl rim and cover to assure a pressure tight fit and clamp together.
2. Open both petcocks. Use syringe to inject water through on petcock until water is expelled from opposite petcock. Jar meter gently while continuing to inject water until all air bubbles are expelled from the same petcock.
3. Close air bleeder valve on top of air chamber. Pump air into meter until gauge hand is on the initial pressure line. Wait a few seconds and tap gauge lightly. Stabilize gauge hand on initial pressure line by pumping or bleeding of air as necessary, tapping the gauge lightly.
4. Close both petcocks. Press down on the air needle valve lever for a few seconds to release air into bowl. Tap sides of bowl smartly with mallet to relieve local restraints. Then tap gauge lightly by hand to stabilize the gauge hand reading. Now read the percentage of air in sample on meters gauge hand.

Note: Release needle valve lever before releasing the pressure from either the bowl or air chamber. Failure to do so may cause water to be drawn into the air chamber thus introducing error into subsequent tests.

5. 5. Release pressure and unclamp cover from bowl. Clean bowl cover and petcock opening with running water. Continue with next test or dry meter and accessories and store in carrying case.