

## AIR PRESSURE METER (TYPE A) VERIFICATION PROCEDURE #42

4/25/2012

Equipment Checked: AIR PRESSURE METER TYPE A (AASHTO T 152)

Purpose:

This method provides instructions for calibrating an air pressure meter (Type A).

Inspection Equipment Required:

1. Water source
2. Calibration Vessel
3. 1000 ml beaker

Tolerance:

The tolerance is found in test method AASHTO T 152

Procedure:

1. Place clean, dry, brass standardizing vessel in  $\frac{1}{4}$  cu. Ft. bucket, open end down.
2. Fill container with water.
3. Place lid on container and clamp securely.
4. Add water until slightly above "O" mark. The valve in filler tube must be open.
5. Open valve on lid to adjust water to exactly "O".
6. Close all valves except air inlet and apply pressure until the reading on the plastic tube is 5%. Mark the gauge pressure.
7. Repeat steps 4, 5, and 6 until the reading is constant.
8. Record the air pressure determined in step No. 7.
9. Re-calibration is required if elevation changes more than 600' from where the meter was last calibrated.

### EQUIPMENT CALIBRATION RECORD

Calibration Procedure No. 42 Air Meter Pressure Type A (AASHTO T 152)

Date:	Calibrated by:
Previous Calibration Date:	Next Due:
Frequency: Independent Assurance: 3 Mo. Acceptance Testing: Prior to use on project	
Action Recommended: Repair _____ Replace _____ None _____ Other	
<b>Calibration Equipment</b>	<b>Serial Number</b>
Water source used to fill measure:	
Constant Pressure Reading:	

4/25/2002