

PROCEDURE FOR CALIBRATING, STANDARDIZING OR CHECKING EQUIPMENT

Revised 12/96, 5/11

PROCEDURE #59

Equipment Standardized:

AIR METER PRESSURE (Type A)

T 152, SD 403

Purpose:

To provide instructions for standardizing the Type A (pressure type) meter.

Inspection Equipment Required:

1. Water source.
2. Standardization vessel.
3. 1,000 ml beaker.

Tolerance:

The tolerance can be found in the test methods listed above.

Procedure:

1. Meter Calibration: - Type A Meter.
 - A. Place clean, dry, brass standardizing vessel in $\frac{1}{4}$ ft³ bucket, open end down.
 - B. Fill the container with water.
 - C. Place lid on container and clamp securely.
 - D. Add water until slightly above "0" mark on plastic tube. The valve in filler tube must be open.
 - E. Open valve on lid to adjust water to exactly "0".
 - F. Close all valves except air inlet and apply pressure until the reading on the plastic tube is 5%. Mark the gauge pressure. (Some meters have tire valves in air inlet line instead of manual valve.)
 - G. Repeat D, E, and F until the reading is constant.
 - H. Record the air pressure determined in paragraph G.
 - I. A change in elevation of more than 600' from the location the meter was last calibrated will require re-standardization.