RESNET®
RESIDENTIAL ENERGY SERVICES NETWORK

Leading the
Path to Net Zero
Energy Homes

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Equipment Calibration Log

Guidelines for Provider Compliance

Purpose

RESNET® Staff guidelines to assist providers in complying with their equipment calibration log requirements.

Standard References

- HERS® Standard

> 904.5.2.4 Equipment calibration records. For equipment, reference ANSI/RESNET/ICC 310, ANSI/RESNET/ICC 380, and ANSI/ACCA 12 QH, Appendix A, Sections A3 and A4.

- ANSI/RESNET/ICC 310 - Flow Grid, Manometer, Fan Flowmeter, Flow Hood, Clamp-On Watt Meter

> **6.5. Pressure Matching Method**
>
> **6.5.1. Equipment Needed**. The equipment listed in this section shall be observed to be in usable condition. In addition, if the manufacturer recommends calibration, then the equipment listed in this section shall be calibrated at the manufacturer's recommended interval.

- ANSI/RESNET/ICC 380 - Blower Door, Airflow Meter, Manometer, Air-Moving Fan, Thermometer, Flow Meter, Duct Leakage Tester, Powered Flow Hood, Airflow Resistance Device, Passive Flow Hood, Airflow Measurement Station

4.1. Equipment
The Equipment listed in this section shall have their calibrations checked at the manufacturer's recommended interval, and at least annually if no time is specified.

- ANSI/ACCA 12 - Equipment used to measure Carbon Monoxide

A3.1.5 Be calibrated annually by the manufacturer and have evidence of the calibration.

Field Check vs. Calibration

A field check or field verification refers to a manufacturer-specified process that should be conducted on a regular basis to ensure that the equipment is functioning properly. This check is not a calibration of a particular range but a mechanism to determine if factory calibration may be required.

Calibration refers to the manufacturer's process of testing and adjusting equipment to ensure it is performing within the acceptable accuracy range.

Both field checks and calibrations should be logged by the Provider.

The Energy Conservatory - Source Link

Field Check Recommendation

- Manometer/Gauge – Annually or when damage is suspected
- Blower Door or Duct Blaster Fans – Annually or when damage is suspected

Any equipment that fails the field check must be sent to TEC for repair.

Calibration/Recalibration Requirement

Manometer/Gauge Intervals

- DG-1000, DG-8 and Digital TrueFlow® - every 4 years
- DG-700 and DG-500 - every 2 years
- DG-2's and DG'3 - every year

Fan – Calibration is only required if a fan fails a field check.

RetroTec - Source Link

Field Check Recommendation

- Manometers/Gauges – Annually or when damage is suspected
- Blower Door or Duct Blaster Fans – Annually or when damage is suspected

Any equipment that fails the field check must be sent to RetroTec for repair.

Calibration/Recalibration Requirement

Manometer/Gauge Intervals

- DM32 and DM32x – every 5 years
- DM2 – every 2 years

Fan Intervals

- Models 200, 300, 400, 500, 1000, 2000, 3000, 5000 and 6000 series – every 5 years

Provider Guidance

Providers must maintain field check and calibration records for all equipment listed in ANSI 310, 380 and ACCA 12 as outlined in each of the referenced standards.

RESNET will be regularly checking that all active Raters and RFIs conducting field work have clear records, that, at a minimum, consist of:

- Manometer/Gauge – showing a field check or calibration every year
- Duct Blaster/Tester Fan – showing a field check or calibration every year
- Blower Door Fan - showing a field check or calibration every year

If equipment is shared amongst multiple individuals or if that individual uses spare equipment exclusively, please indicate that in your records.

Whether you're tracking equipment in the Registry or another location the following information must be captured:

- Equipment Make and Model
- Serial Number
- Date of last field check or calibration, whichever was most recent
- Who the equipment is assigned to, if it is shared or spare