

measureQuick® Training Units

Hands-On HVAC Learning Powered by Real Data

Train technicians the way they work in the field. measureQuick training units are fully functional HVAC systems designed to simulate real-world diagnostics, commissioning, and performance testing — powered by the same app technicians use every day.

Versatile System Configurations

Available in multiple variations to cover every major residential system type:

- Heat Pump + Gas Furnace • Heat Pump + Air Handler (optional electric heat) • Straight Cool + Air Handler (optional electric heat) • Heat Pump Mini Split

Each configuration is built around a T-8020 structural aluminum frame with six locking casters — compact, mobile, and designed to fit through a standard 36" ADA-compliant doorway.

Built for measureQuick Training

Every unit is engineered for seamless integration with the measureQuick app to teach:

- App setup, navigation, and configuration
- System profiling and data streaming
- Geo-location and cloud account management
- AI-assisted diagnostics and guided workflows
- Report generation, benchmarking, and trending
- Integration with BluVac and TrueFlow Grid instruments

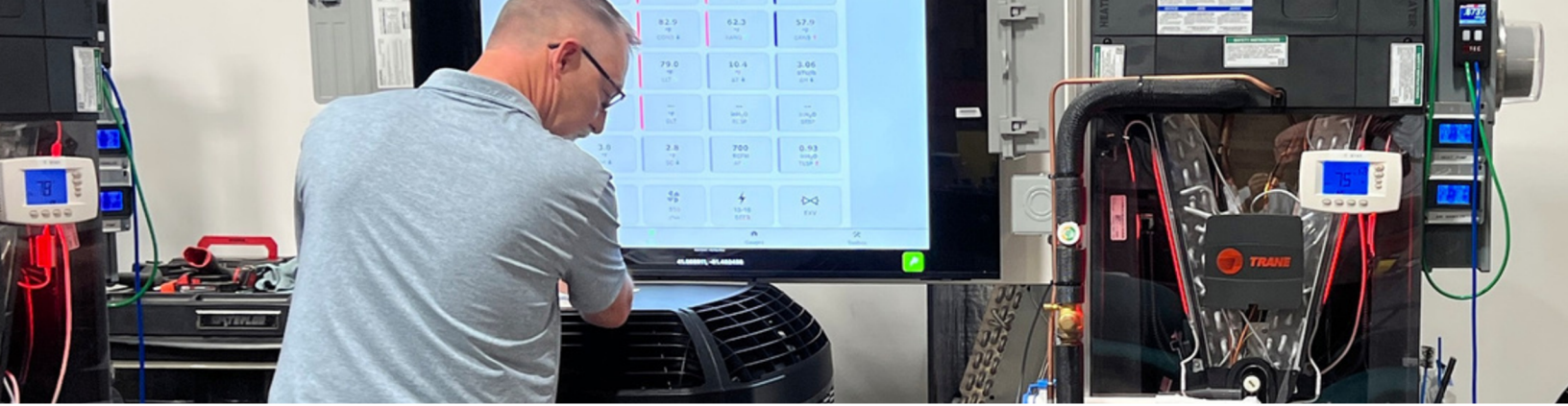
These systems give trainees the opportunity to learn app workflows alongside real equipment behavior, bridging the gap between theory and practice.



Standard Features

- Full 120/240V 60Hz service rated for 30 amps with twist-lock plug and 10' SO cord
- Surge protection, breakers, fused disconnect, and power monitoring
- Integrated return air filter grille, add-on media air cleaner, and flex return/supply ducts*
- Clear viewing doors for the coil and blower with adjustable LED lighting
- Adjustable fan speed control (indoor and condenser)
- 50" QLED display for demonstrations and guided lessons
- Condenser stand with wash pan for cleaning demonstrations
- Water overflow sensor, condensate bucket, and clear trap with cleaning brush
- Integrated iPad mount, stopwatch/timer, and recovery tank for charging exercises

**Optional add-ons available for return/supply duct flexibility and air balance testing.*



Built-In Fault Simulation

Quickly replicate field conditions to teach diagnostic accuracy. Each unit includes built-in, switchable faults for refrigerant, airflow, electrical, and condensate systems:

Refrigerant & Airflow Faults

- Suction/liquid line restrictions
- Plugged liquid line dryer
- Compressor not pumping
- Low/high refrigerant charge
- Dirty filters, coils, or condenser
- Adjustable condenser fan speed
- Low/high static pressure conditions

Electrical & Control Faults

- Open thermostat or line voltage circuits
- Blown fuses and failed capacitors
- Failed contactors and components

Other Faults

- Plugged condensate overflow
- Simulated duct leakage
- Adjustable fault combinations for complex scenarios

HVAC Skills Development

Train on every core HVAC skill – safely, repeatedly, and measurably.

Hands-On Procedures • Pressure testing (temperature-compensated) • Evacuation and decay testing • Refrigerant recovery and charge optimization • Pump-down, lockout, and balance point setup • Electrical troubleshooting and component replacement • Coil and blower cleaning and maintenance • Static pressure, airflow, and leakage testing

Advanced Diagnostics

- Temperature split and enthalpy analysis
- Airflow balancing with TrueFlow Grid
- Combustion analysis on furnace equipped units

(Bluetooth analyzer)

- Geo-located performance reports and trending

Compatible Tool Package

Wireless probes, manometers, and gauges

- Bluetooth electrical meter and combustion analyzer
- AccuTools® Charging Blanket
- Vacuum pump, recovery machine, and TruBlu hoses
- TEC TrueFlow Grid
- BluVac Pro gauge with A2L tank adapters
- iPad with LiDAR sensor

Designed for Real Learning

The measureQuick training unit is more than a demo unit—it's a complete, data-driven training ecosystem. Each unit reinforces real-world diagnostics, digital measurement, and performance-based testing, accelerating technician competency and confidence.

Accelerate learning. Improve outcomes. Build better technicians — faster.

