

# TRAINING UNITS

## TU-406 RESIDENTIAL HEAT PUMP TRAINER

*Real world experience in troubleshooting wiring, piping and controls of a working air conditioning unit for a whole house.*

### Specifications

Electrical requirements: 240VAC; 50/60 Hz; 15A

Uses R410a refrigerant

Overall size: 60" L x 48" W x 73" H

### Features

- Fault simulation with two refrigerant faults and four electrical faults
- Provides numerous real-world applications and trouble-shooting examples
- Refrigeration heat pump cycle can be observed
- High-pressure refrigeration tubing piped to sight glass for direct observation of the fluid stage of the refrigeration cycle
- Pressure, temperature and electrical readings can be made
- Visible wiring and piping
- R410a refrigerant can be pumped down
- Reversing valve that is operated through a digital thermostat
- Metering device/thermostatic expansion valve
- 2 sets of pre-connected high and low pressure refrigeration gas/liquid gauges
- Operation Manual describing how the unit works as well as its faults
- Necessary line and low voltage wiring
- Low voltage transformer and wiring
- Includes Lab Manual and book *Heat Pumps: Operation, Installation & Service*, with student assignments and Instructor's Guide CD
- Optional add-on equipment package provides all the professional tools necessary to complete service checks (see page 18)

### Optional Unit Configuration

- **TU-406:** Base unit (*as shown*)
- **TU-406D:** Base Unit with Duct Work ONLY
- **TU-406TV:** Base Unit and TV ONLY
- **TU-406C:** Base Unit with TV and duct work added (*Deluxe as shown*)

**iConnect**<sup>®</sup>  
TRAINING

### BASE UNIT



SEVERAL  
TU-406 OPTIONS  
AVAILABLE  
(see below left)

### DELUXE UNIT



Optional  
Duct Work

Optional Large  
Digital Display  
shows iManifold  
Live Readings

Shipping Weight: 600 lbs.

Shipping Dimensions: 80" L x 43" W x 72" H

This Training Unit includes an iManifold Kit for full diagnostic testing and troubleshooting of system components. The kit comes complete with the award-winning iManifold wireless digital refrigeration manifold, (1) 902M Thermistor Air Probe, (3) 901M Thermistor Pipe Strap Surface Probes, (1) 955MRS 5' hose set with low loss ball valve shut off, and (1) iManifold backpack. Additional accessories such as wireless probes and the iConnect hub are also available.

