

## FSP5004 Tester



Provides quick operational check of most Honeywell BC7000, R4140 and R4150 programmers and R7795 primary controls (order 198355A adapter separately).

- Includes indicator lights that visually represent control functions of programmer as unit simulates system operation.
- Works with 120 Vac, 60 Hz controls.
- Use to test some Gordon-Piatt programmers.
- Cannot be used to test some R4140 and R4150 models due to design or wiring differences. Reference the list at right to see if you have one of the controls that CANNOT be tested. If you do, check these out using the instructions provided in their respective instruction manuals.

**Voltage:** 120 Vac  
**Frequency (Hz):** 50/60 Hz

Product Number	Application	Products used with	Comments
FSP5004	Tester	BC7000; R4140; R7795	DO NOT USE with: BC7000L1018, BC7000L1034, BC7000L1063; R4140D1004, R4140E1001, R4140M1079, or non-120 Vac R4140 models

## W136 Meter



Combination ac/dc voltmeter and dc microammeter used to test all flame safeguard controls and associated burner equipment. The W136A can be used to verify flame detector output is sufficient to operate the flame relay.

- Measure ac voltage of 0 to 300 Vac and dc voltages of 0 to 150 Vdc.
- Has 0 to 25 dc microamp scale for accurate checking of flame signal strength.
- Protective circuit prevents meter burnout on 25 uA or SPL settings.
- W136A1045 is in a black leather carrying case that holds meter and has compartment for storing test leads and accessories.
- The W136A1045 includes two push-on alligator clips that fit over probes and 196146 Cable Connector to plug into flame current jack and connect meter in series with flame current lead.
- The W136A1052 requires Cable Connector 196146 to be ordered separately.

**Dimensions, Approximate:** 8 1/2 in. high, 6 in. wide, 2 1/3 in. deep  
(216 mm high, 152 mm wide, 59 mm deep)

Product Number	Application	Products used with	Comments	Includes
W136A1045	Analog Test Meter	Flame Safeguard Controls	Scale ranges: 0 to 300 Vac; 0 to 150 Vdc; 0 to 25 microamps	Two color coded, 30 in. (762 mm) long pin jack probe. 196146 cable included
W136A1052	Digital Test Meter	Flame Safeguard Controls	Scale ranges: 0 to 300 Vac; 0 to 150 Vdc; 0 to 25 microamps	Two color coded, 30 in. (762 mm) long pin jack probe. Order 196146 cable seperately

## Tester and Demonstrator Accessories

Product Number	Application	Products used with	Comments
121708	Flame Simulator, Rectification Flame Amplifiers	R177; R180; R187; RA190A,B; R485A,B; R887; R890; RA890E,F,H,J,K; R7023A,B; R7289A	No test jack, or test jack in F circuit
123514A	Flame Simulator, Rectification Flame Amplifiers	R4075B; R4181A; R4138A,B; R7253A; R8169B; R7257A; R7247A; R7847A	Test jack in G circuit
123514B	Flame Simulator, Ultraviolet Flame Amplifiers	RA890G; R7290A; R7255A; R7259A; R7249A	Simulates Minipeeper Flame Detectors
198355A	Adapter for R7795, used with FSP5004	BC7000; R4140; R7795	
203659	Flame Simulator, Ultraviolet Flame Amplifiers	RA890G; R7795A,C,E,G; R7290; R7255B; R7259A; R7249A r7849a, b	Simulates Minipeeper Flame Detectors