Functioning

The indicator is actuated by dual rupture-proof bellow with integral temperature compensation. The bellows are liquid filled and will withstand repeated over ranges equal to the working pressure of the instrument housing without causing a calibration change. Motion transmission is a hermetically sealed torque tube, thus eliminating friction, leakage and the need for lubrication.

FEATURES

- Two valve (vent) operation - highside and lowside
- Indicator size: 3" (optional 6": Model 227A-BFT)
- Gauge displays 0-15 PSID in tenths of a pound.
- Accuracy: 0.5%
- Working pressure: 500 PSI
- Splash guard (lens cover)
- Teak block wood case to protect the torque tube
- Weight: 5 lbs.
- Carrying case optional
- 0 to 200 PSI pressure gauge optional

Includes: 3 test hoses, carrying strap, brass fittings & testing instructions

Shown with optional case
**Duke**

**Model EZ 900**

Test Kit

**FEATURES**

- Tests All Backflow Assemblies
- 3-Gauges in one tester with continuous display of high side and low side and differential pressures.
- 0-250 psi. High side and low side in 1 psi increments. Differential pressures in tenths (0.0 psi).
- Function prompts shown in display.
- Automatic calibration (upon gauge activation).
- Accuracy +/- .2 PSID.
- Null feature, differential pressures can be reset to zero and then restored to normal operation.
- Two SS transducers (pressure sensors).
  - Overload Pressure: 900 psi
  - Burst pressure: 3000 psi
- Temperature: 35 - 250°F
- 2 valve (vent) operation, high side and low side.
- 2 keypad buttons: On and Hold/Null/Manual off
- Automatic off, after 10 minutes of no activity.
- 3 replaceable D rechargeable batteries (may use alkaline batteries).
- Low battery indicator (star appears top left in display).
- Rechargeable batteries recharged by 110V or 12VDC adapters
- Water resistant design.
- Weight: Less than 5 pounds.

**Computerized Backflow Test Gauge**

Includes: Carrying case & strap, Battery chargers, Hoses, Brass fittings, Testing Instructions
**SPECIFICATIONS**

Safe Working Pressure .... 500 PSI  
Material ..................... Brass  
DP Range .................... 0-15 PSID  
Scale Face:  
246 .......................... 3-inch (0-15 PSID, 150 divisions)  
247 .......................... 6-inch (0-15 PSID, 150 divisions)  
Accuracy .................... ±0.5% (0.075 PSID)  
Temperature Range .......... +32°F to +200°F  
Lens Material ............... Lexan  
Carrying Case .............. Metal reinforced high density polyethylene. Water-resistant closed-cell foam inside  
Hoses ......................... (3) 6’ (up, down, bypass)  
Manifold ..................... 3-valve (high, low, bypass)  
Bleed Valves ................ 1/4-inch (brass)  
Adapter Fittings .......... (3) each: SAE 1/8”, 1/4”, 1/2”, 3/4”  
Gauge Dimensions ........... 246: 10.5” x 4”  
247: 10.5” x 7.5”  
Gauge Weight .............. 256: 7 lbs, 247: 8.5 lbs  

**FEATURES**

- Pressure Overrange Protection (up to 500 PSI) - no damage to the meter due to pressure spikes  
- Easy reading Scale - 150 separate 0.1 PSID divisions mark the large 270° scale  
- 246 BFT’s small 3-inch scale provides a compact tester.  
- 247 BFT’s large 6-inch scale provides easy measurement reading.  
- Five easy to use valves - designed with stainless steel, corrosion resistant, stems and soft seats  
- Unique built-in manifold - allows the addition of a pressure gauge to obtain static pressure reading during testing.  
- Compact Case (Steel Reinforced Polyethene) w/foam insert - minimizes damage while stored  
- Adaptable - allows performance on all types of backflow assemblies  
- Hand/Shoulder Strap - allows field use  
- Fittings/Hoses Included - test fittings and three color coded, 6 foot hoses for easy hookup  
- Reviewed by University Of Southern California

**ACCURACY**

Using the Barton welded beryllium copper bellows assembly, these testers are accurate to one-half of one percent, translating a reading within 0.075 PSID in both ascending and descending actions.
IS YOUR BACKFLOW TEST GAUGE BUBBLE TIGHT?

How to check your gauge for leakage

1. Disconnect all hoses and seal all flare inlet connections using caps with o-ring.

2. Close all valves.

3. From an external source pressurize highside and lowside of test gauge to 100+ psi through one of the vent valves.


5. Create a pressure differential by reducing highside pressure through the highside vent valve.


7. Wait 10 seconds. Note pressure differential. **Pressure differential must not change.** If it does, your test gauge is leaking.

8. Have your test gauge repaired to eliminate leakage.

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*A test gauge that leaks CANNOT test backflow assemblies!!*

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