

>>> **INSTRUMENTATION**



**BIOSYSTEMS POSICHEK3<sup>®</sup> SCBA PERFORMANCE TESTER**

**NOW WITH ENHANCED PRECISION HIGH PRESSURE TRANSDUCER AND SOUND DETECTION SYSTEM**

Sperian's Biosystems PosiChek3 computerized SCBA test bench has been the industry standard for thousands of fire departments, refineries, chemical plants and nuclear power stations worldwide since it was first introduced in 1988. Sperian incorporated a number of upgrades to keep pace with increasingly rigorous testing criteria.

**The Industry's Only NFPA-Compliant SCBA Test Bench**

Firefighters and other first responders can only work as well as the equipment they use. That's why NFPA 1852 mandates that all compliant SCBA be tested on a calibrated breathing machine before being put into service, and at least once per year thereafter. Biosystems PosiChek3 is the only test bench that meets stringent NFPA standards. Biosystems PosiChek3

can fully evaluate the operational readiness of an SCBA in less than 2 minutes, and consumes less than 1% of its air supply.

**Easy And Automatic Testing**

The new Biosystems PosiChek3 has taken automation a step further, making it even easier to use than before. All new Biosystems PosiChek3 units are equipped with an Enhanced Precision High Pressure Transducer that provides more precise measurement of pressure within the high-pressure manifold. Upgrades also available. In addition, a new Sound Detection System (SDS) automates the primary audible alarm test, eliminating human error. As always, Biosystems PosiChek3 offers a full range of test and data storage options, making record keeping a breeze. Biosystems PosiChek3.

## Key Features

### BIOSYSTEMS POSICHEK3 PERFORMS FULL READINESS TESTING

- Mask leak check
- Exhalation check valve opening pressure
- Static mask pressure
- Bypass flow rate
- Pressure gauge accuracy
- Low pressure alarm activation
- Visual inspection
- First stage regulator performance
- Breathing resistance at standard (40 LPM) work rate
- Breathing resistance at maximum (100 LPM) work rate

## Instruments

| Part Number     | Description                                                                                                                                                                                                             |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 54-20-1117-32   | Low and high pressure (2216 and 4500 psig) with middle stage transducer, including Enhanced Precision (EP) transducer and 32-bit Biosystems PosiChek software (see OS requirements above)                               |
| 54-20-1117-32-L | Biosystems PosiChek3 (EP) with laptop computer package                                                                                                                                                                  |
| 54-20-1117-32-D | Biosystems PosiChek3 (EP) with desktop computer package                                                                                                                                                                 |
| 54-20-2117-32   | Low and high pressure (2216 and 4500 psig) with middle stage transducer, including Enhanced Precision (EP) transducer, sound detection system (SDS) and 32-bit Biosystems PosiChek software (see OS requirements above) |
| 54-20-2117-32-L | Biosystems PosiChek3 (EP and SDS) with laptop computer package                                                                                                                                                          |

## Upgrades

| Part Number | Description                                                         |
|-------------|---------------------------------------------------------------------|
| 54-21-A12   | Enhanced Precision (EP) transducer upgrade                          |
| 54-21-A13   | Sound Detection System (SDS) transducer upgrade (Posi must have EP) |
| 54-21-A14   | EP and SDS upgrades                                                 |

### SIMPLIFY RECORD KEEPING

Biosystems PosiChek3 uses your own Windows-compatible PC to run tests and store results. Results can be printed or stored for retrieval in any user-specified database

### MINIMUM PC SYSTEM REQUIREMENTS FOR THE 32-BIT BIOSYSTEMS POSICHEK3 SOFTWARE

- Windows 95, 98, ME, NT (SP 5.0 or higher), 2000 or XP
- Internet Explorer version 4.01 (SP2 or higher)
- A minimum of 100 Mb of available space on hard drive
- Parallel port
- CD-ROM Drive

## Accessories

| Part Number | Description                                    |
|-------------|------------------------------------------------|
| 35-0470     | Pressure reducing regulator and valve assembly |



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