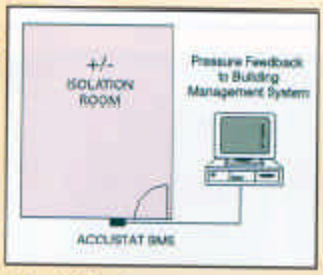
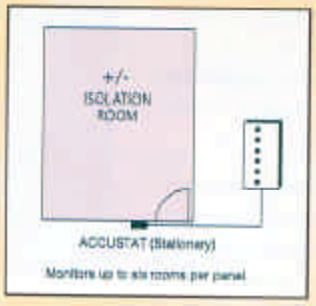
ACCUSTAT BMS
Building Management System



There are two remote monitoring possibilities with the ACCUSTAT: A direct interface with the building management system (ACCUSTAT BMS) or a localized remote module (following section). The BMS is a built-in module to allow transmission of a 4-20 mA analog output. This can be tied into a BAS/EMCS system. An alarm contact is also provided by the monitor for visual or audible remote annunciation. The time-delayed audible alarm feature is activated after a one minute time expiration.

ACCESSORIES

Remote Monitoring Panel
This option allows the status of up to six rooms to be individually monitored from a single monitoring station. The stainless steel panel contains six red and green status LEDs, which conform to the status of the individual stationary ACCUSTAT's monitoring the rooms. An audible alarm signal with mute feature and bi-color LED for visual references identify any room in non-compliance. Additional mute switches can be included to disable indications for individual rooms in the event the room isn't being utilized to monitor negative pressure.



Remote Monitoring Panel
Remotely monitor up to 6 locations with bi-color visual and audio alarm features.

ACCUSTAT SPECIFICATIONS

ACCUSTAT Stationary Model

Electrical Data
- Operating power: 12V
- Minimum/maximum voltage: 12V to 16V
- Current Draw: 100 mA
- Maximum Draw: <2W

Monitoring Data
- Microswitch: pressure transducer
- Pressure range: -0.100 to +0.100 in. water
- Display update: 1.0 second
- Maximum over pressure: 5.0 psi
- Accuracy of reading ±1% F.S.

Mechanical Data
- LCD display: 1 line
- LCD character height: 0.5"
- Cabinet: stainless steel
- Dimensions: 7.367"(w) x 3.25"(h) x 2.25"(d)
- Weight: 22 oz.
- Mounting: Surface/wall mount
- Operating temperature: 55-105°F (13°C to 41°C)
- Operating humidity: 10% to 94% RH non-condensing
- Pressure range: -0.001 to +0.999WC
- Sampling hole requirement: 1/4 inch hole needed for sampling tube into room; ambient sensed directly from monitor.

Operation Data
- Bicolor visual alarm LED: green normal; red alarm mode
- Visual alarm: immediate upon reaching setpoint
- Audible alarm: one minute delay
- Alarm setpoint storage: non-volatile memory
- Alarm setpoint: user determined adjusted from front panel
- Alarm calibration: from front panel
- Accuracy of alarm output: ±1% of setpoint
- Standard range: ±0.3 inches of water (or ±25 Pascals)
- Resolution: 0.001" of water (or 0.1 Pascals)
- Alarm output: SPDT relay, contacts rated at 1A at 30m VDC or 120 VAC resistive
- Analog outputs: 0-5VDC, 2.5V at zero pressure 2mA max
  0-10VDC, 5V at zero pressure 2mA max
  Max loop resistance is 500 ohms
- Operating medium: air or non-corrosive, non-explosive gas
- Tamperproof controls: On/Off keypad switch
  Positive or negative indicator keyed switch

ACCUSTAT P-1 (Portable)

Identical to standard ACCUSTAT, but includes:
- Nicad battery pack for up to 10 hours of continuous operation
- Battery chip to avoid overcharging
- Easy carrying handle
- Low battery indication on display
- Light weight: 5 pounds

ACCUSTAT BMS

Pressure Range
- Range: -.100 to +.100 inches water (display)
- Resolution: 1% of reading
- Display Update: 1.0 second
- Maximum Over Pressure: 5 psi

Electrical Outputs
- Alarm: One SPDT relay can be set over range of -.05 to +.05 inches water. Contacts can be set for fail-safe operation (i.e. contact closed power loss). Alarm output has built-in 1-minute delay, both red LED and piezo alarm.
- Remote: 4-20 mA, Standard Range 0-10 volts
  -.100 to +.100 inches in water
  7 mA = .100 inches water
  12mA = .000 inches water
  17 mA = .100 inches water
- Maximum range: 1000 ft = 20 awg wire into 250 ohms load
- Maximum Power: 1.3 watts @ 24VDC 3 wire 4-20mA output 115VAC to 24VDC, step-down transformer provided (Option)

Mechanical
- LCD Display: 1 line
- LCD Character Height: 0.50 inches
- Cabinet: Stainless Steel
- Dimensions: 7.37"(w) x 3.25"(h) x 2.25"(d)
- Weight: 28 oz.
- Shipping weight: 3 lbs.

Environmental
- Operating Temp.: 55-105°F
- Operating Humidity: 10% to 94% RH non-condensing