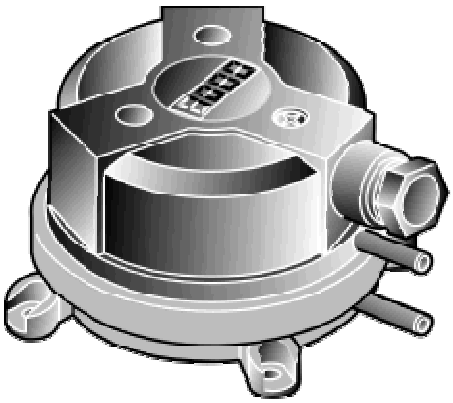
SCI(UK)

Systems Controls & Instruments (UK) Ltd.

Series M984... Differential Pressure Transmitters



Used for measuring
Differential Pressure
Positive Pressure
Vacuum
etc. etc..

Principle of Operation

The pressure measured is applied to a thin membrane made of monosilicon and when the resultant deflection is sensed by the semi-conductor resistors, mounted on the membrane, it produces an electrical output signal which is converted to an 0 – 10 Vdc output by a high gain amplifier.

Applications

Monitoring gaseous , non-aggressive media.
Areas of application include:

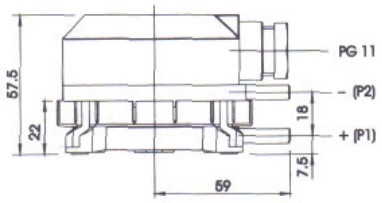
- Air-conditioning & Clean Rooms.
- Building Automation.
- Environmental Protection
- Fan & Blower control
- Filter & Blower monitoring.
- fluid & Level monitoring
- Control of Air-Flows

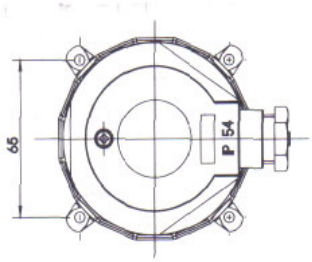
Models & Specifications

Model Selection

Model	Linearity	Overload	Burst
84-100Pa	0…100Pa	25kPa	50kPa
84-250Pa	0…250Pa	25kPa	50kPa
84-500Pa	0…500Pa	25kPa	50kPa
84-1kPa	0...1kPa	25kPa	50kPa
84-2.5kPa	0...2.5kPa	30kPa	75kPa
84-5kPa	0...5kPa	75kPa	100kPa

Dimensions:





- Linearity: +/_ 1% FS
- Stability: +/- 0.5% FS/yr.
- Repetition: +/_ 0.2% FS
- Humidity: 0.. 95% r.h.
- Response Time: 10 ms.
- Supply Voltage: 18..24..30 Vac
  16..24..32 Vdc
- Supply Current: 30mA for AC
  20 mA for DC
- Output Signal: 0…10 Vdc
- Supply Current: 30mA for AC
  20 mA for DC
- Output Signal: 0…10 Vdc
- Output Current, (Max): 10mA
- Hysteresis: 5..10% FS
- responceTime: > 100ms.
- Process Conns: 6mm.
- Offset Adjustment: +/- 50mV
- Span Adjustment: +/- 50mV

The manufacturer reserves the right to make changes without prior notice

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