



# Series 7000

## Vacuum Pressure Switch Miniature Size – MIL Specs

Series 7000 Pressure Switches provide reliable and repeatable snap-action switching in response to vacuum pressure in a ruggedly constructed miniature type package.

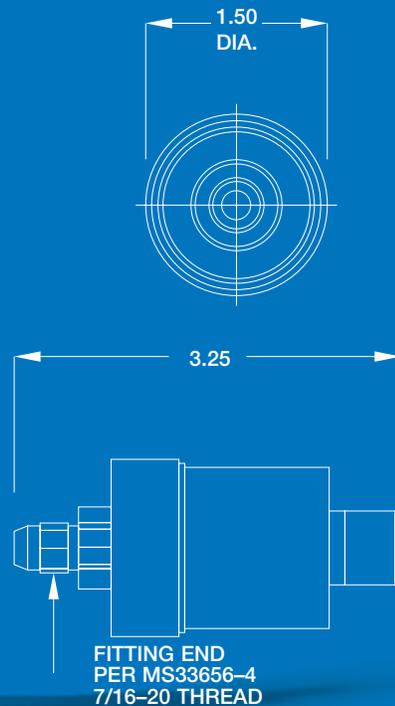
Designed and tested to MIL-Spec quality standards, these switches can be furnished with a variety of electrical connectors and pressure ports. In addition, the design construction ensures capability of withstanding a positive proof pressure of 60 psig.

The Series 7000 Vacuum Switches are capable of meeting severe MIL-Spec type environments such as shock, vibration, and temperature cycling.

### Series 7000 Specifications:

<b>Pressure setting range:</b>	<b>2 to 30" Hg. (full vacuum)</b>
<b>Proof pressure:</b>	<b>60 psig positive pressure</b>
<b>Burst pressure:</b>	<b>100 psig</b>
<b>Setting accuracy:</b>	<b>±0.5" Hg</b>
<b>Operating temperature:</b>	<b>-65°F to 275°F</b>
<b>Pressure port:</b>	<b>MS33656-4 (7/16-20 thread)</b>
<b>Switch selection:</b>	<b>SPDT, SPDT-NC or NO</b> <b>30 VDC, 5 amp res, 2.5 amp ind.</b> <b>115 VAC, 5 amp ind. or res.</b>
<b>Electrical connection:</b>	<b>receptacle per GS02-10SL-3P-001</b> <b>or per spec</b>
<b>Wetted parts:</b>	<b>anodized aluminum housing,</b> <b>17-7PH SS diaphragm, Buna N O-ring</b>
<b>Life:</b>	<b>100,000 cycles</b>
<b>Weight:</b>	<b>4 oz. maximum.</b>

*Data available upon request.*



# There's a Spectrum® pressure switch or instrument to fit your requirements.

For over 50 years, Spectrum has provided sophisticated components and controls designed to meet exacting standards for critical commercial, military, aerospace and nuclear applications.

## COUNT ON SPECTRUM FOR:

- Advanced engineering and manufacturing capabilities
- Primary concern with customer satisfaction
- Sound manufacturing practices and rigid quality control
- Precision calibration & testing equipment

### 2300 SERIES Hydraulic Switch

Often used in aircraft hydraulic systems where reliability under extreme conditions is a must. This rugged model is sealed against harsh environmental conditions. Testing of production models has successfully exceeded one million cycles.



Set points: 400 - 3000 psi  
Operating temperatures: -65°/+275°F  
Proof pressure: 4500 psi  
Burst pressure: 7500 psi

### 2335 SERIES Hydraulic Switch

This versatile pressure switch operates reliably as a precision control for a variety of media including air, gas, JP4 or JP5 fuel, and hydraulic oils. Constructed of stainless steel, this series has passed the FAA certified flame test of 2000°F.



Set points: 4 - 300 psi  
Operating temperatures: up to +2000°F  
Proof pressure: 1000 psi  
Burst pressure: 2500 psi

### 2370 SERIES Economy Pressure Switch

Designed for economy while retaining aerospace durability, accuracy and repeatability, this compact 2 oz. switch is available with field adjustable controls.



Set points: 4 - 500 psi  
Operating temperatures: -65°/+160°F  
Proof pressure: 3000 psi  
Burst pressure: 6000 psi

### 4300 SERIES Absolute Pressure Switch

The 4300 Series stainless steel absolute pressure switch is hermetically sealed for life, making it impervious to the environment. Cyclic testing has verified reliable performance for over 100,000 cycles.



Set points: 400 - 3000 psi  
Operating temperatures: -65°/+275°F  
Proof pressure: 4500 psi  
Burst pressure: 7500 psi

### 5000 SERIES Wide Range Differential

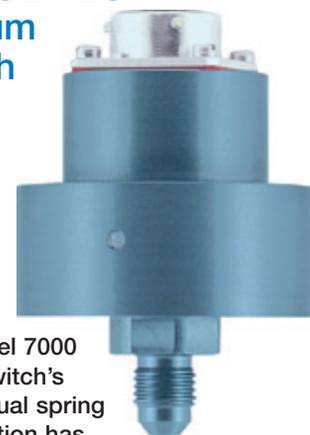
Adaptable to wide range of pressure applications, this series operates in MIL-spec environments. Special duo-differential available.



Set points: 2" H<sub>2</sub>O - 60 psid  
Operating temperatures: -25°/+275°F  
Proof pressure: to customer specs  
Burst pressure: to customer specs

### 7000 SERIES Vacuum Switch

The model 7000 Series switch's unique dual spring construction has proven reliable in both environmental and cyclic tests in excess of 100,000 cycles. Points are factory set to incorporate a wide range of vacuum and positive pressures.



Set points: Vacuum, 0 to 29" Hg  
Positive pressure: 60+ psig