



# Series 2335

## Gauge Pressure Switch Stainless Steel Welded Construction Meets MIL Specs

Series 2335 Pressure Switches provide reliable, diaphragm-actuated snap action switching in a miniature package of stainless steel with all-welded construction.

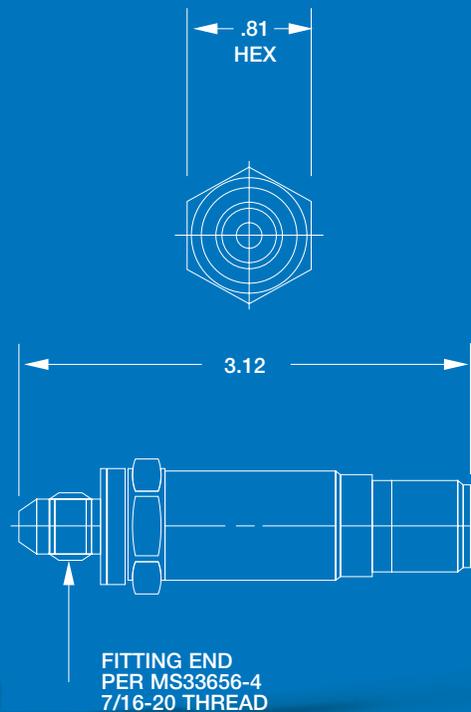
Designed to meet critical MIL-Spec environments including 2000°F FAA flame-proof requirements, these switches can be set from 2 to 450 psig with the capacity of meeting a proof pressure of 1000 psig and a burst pressure of 2500 psig.

In addition to providing dependable, repetitive service under critical MIL specification type environments such as shock, vibration and temperature cycling, Series 2335 Pressure Switches are compatible with a variety of media including JP-4 and JP-5 fuel and hydraulic and transmission fluids.

### Series 2335 Specifications:

<b>Pressure setting range:</b>	4 to 450 psig (factory set)
<b>Proof pressure:</b>	1,000 psig
<b>Burst pressure:</b>	2,500 psig
<b>Setting accuracy:</b>	+/- 1% of range
<b>Operating temperature:</b>	-65°F to 250°F (up to 350°F, if required)
<b>Pressure ports:</b>	1/8" NPT (male) or as required
<b>Switch selection:</b>	SPDT, SPDT-NC or SPST-NO
<b>Electrical rating:</b> (sea level)	28 VDC, 4 amp res, 2.5 amp ind. 115 VAC, 5 amp ind. or res. (Gold contacts available for low levels)
<b>Electrical connection:</b>	MS type receptacle as reqd.
<b>Wetted parts:</b>	304SS housing and base, 17-7PH SS diaphragm
<b>Available in:</b>	environmental or hermetically sealed versions
<b>Qualified:</b>	IAW MILS 9395/RTCA-D0160 requirements
<b>Life:</b>	100,000 cycles typical
<b>Weight:</b>	3 oz. maximum.

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

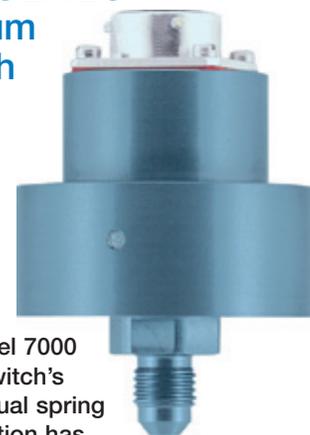
Adaptable to wide range of pressure applications, this series operates in MIL-spec environments. Special duo-differential available.



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