



CustomControlSensors

Dual Snap®  
Pressure, Temperature and Liquid Flow

www.ccsdualsnap.com

Custom Control Sensors, Inc. (CCS) is a global leader in the design, testing, manufacturing and supply of pressure, temperature and liquid flow switches for the Industrial, Energy, Aerospace and Defense markets. Founded in 1958, CCS revolutionized the industrial pressure switch market by utilizing its patented Dual-Snap® disc spring technology.

Originally developed for critical aerospace applications, the Dual-Snap disc spring eliminates contact chatter and erroneous electrical signals due to vibration, shock and high temperature conditions associated with other trace type pressure switch devices. As a result, CCS industrial pressure and temperature switch products have been the industry standard and are used in essential equipment alarm, monitoring and control functions all over the globe.



CCS' Quality Policy is to pursue perfection through continual improvement of its products and services. This requires a personal commitment from every employee to understand and consistently meet or exceed customer requirements. To achieve this objective, Custom Control Sensors recognizes that it is essential to train, develop and promote the concept of continual improvement to the greatest extent possible so that every product or service is delivered defect-free and on time.



**Locomotive / Rail Car**

Air Brake System  
Compressor Control



**Manufacturing and Machining**

Clamping Pressure  
Oil Pressure  
Filter Applications



**Transportation**

Hydraulic Systems  
Lubrication Systems



**Power Generation**

Steam and Coal Generators  
Filtration and Lubrication Systems  
Safety Control



**Pumps and Compressors**

**CCS Non-Hazardous Area Products**

**Functions:**

- Safety (Alarm / Shutdown)
- Monitor
- Control

**Features & Benefits:**

- High cycle life.
- High over pressure capability.
- Wide range of set points.
- Vibration resistant.
- Set point accuracy. (Repeatable set points.)

**Time-Tested Solutions.  
Reduced Costs & Time.**

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**6900G / 6900P  
Gage Pressure**

- Diaphragm Sensor
- Piston Sensor
- **Adjustable Range:**
  - 1-16,000 PSIG
  - 0.07-1,103 BAR
  - 6.89-110,316 kPa
- **Proof Pressures up to:**
  - 25,000 PSIG
  - 1,724 BAR
  - 172,369 kPa
- **Weight: 15 ounces (425 grams)**
- **Wetted material options for material capability**



**604G / 604P Gage  
604D / Differential  
604V / Vacuum**

- Diaphragm Sensor
- Piston Sensor
- **Adjustable Range:**
  - 28.5" Hg - 5000 PSIG
  - 724 mm Hg - 345 BAR
  - 96.5-34,474 kPa
- **Proof Pressures up to:**
  - 10000 PSIG
  - 689 BAR
  - 68,948 kPa
- **Weight: 35 ounces (992 grams)**
- **Wetted material options for material capability**



**674D  
Differential**

- Diaphragm Sensor
- **Adjustable Range:**
  - 2-800 PSID
  - 0.138-55.16 BAR
  - 13.8-5515 kPa
- **Proof Pressures up to:**
  - 4500 PSIG
  - 310 BAR
  - 31,026 kPa
- **Weight: 45 ounces (1275 grams)**



**605G / 605P Gage  
605D / Differential  
605V / Vacuum**

- Diaphragm Sensor
- Piston Sensor
- **Adjustable Range:**
  - 28.5" Hg - 5000 PSIG
  - 724 mm Hg - 345 BAR
  - 96.5-34,474 kPa
- **Proof Pressures up to:**
  - 10000 PSIG
  - 689 BAR
  - 68,948 kPa
- **Weight: 39 ounces (1092 grams)**
- **Wetted material options for material capability**



**675G / 675G800 / Gage  
675D / 675D800 / Differential  
675V / 675V800 / Vacuum**

- Diaphragm Sensor
- **Adjustable Range:**
  - 0.2-31" H<sub>2</sub>O
  - 0.5-77.2 mbar
  - 0.05-7.72 kPa
- **Proof Pressures up to:**
  - 25 PSIG
  - 1.72 BAR
  - 172 kPa
- **Weight: 19 ounces (538 grams)**



Electrical Connector  
Conforms to DIN 43650

**6900T / 6900TU (Capillary)  
Temperature**

- Diaphragm Sensor
- **Adjustable Range:**
  - 0 deg F to +650 deg F
  - 18 deg C to +340 deg F
- **Maximum Probe Temperature up to +700 deg F (+371 deg C)**
- **Weight: 21 ounces (595 grams)**



**611G / Gage  
611V / Vacuum**

- Diaphragm Sensor
- **Adjustable Range:**
  - 0.75-180 PSIG
  - 0.0517-12.4 BAR
  - 5.17-1241 kPa
- **Proof Pressures up to:**
  - 1000 PSIG
  - 68.9 BAR
  - 6895 kPa
- **Weight: 10-20 ounces (283-567 grams)**
- **Wetted material options for material capability**



**604T / 604TU (Capillary)  
Temperature**

- Diaphragm Sensor
- **Adjustable Range:**
  - 39 deg F to +630 deg F
  - 39 deg C to +332 deg C
- **Maximum Probe Temperature up to +650 deg F (+343 deg C)**
- **Weight: 65 ounces (1843 grams)**

