



CustomControlSensors

Dual Snap®
Pressure, Temperature and Liquid Flow

www.ccsdualsnap.com

CCS Hazardous Area Products

Functions:

- . Safety (Alarm / Shutdown)
- . Monitor
- . Control

Features & Benefits:

1. Proven reliable technology
 - . Non-trace design - Pioneer in negative rate disc-spring technology
 - . **DUAL-SNAP®**, millisecond snap-acting technology
 - . Aerospace pedigree
2. Rugged, stable, highly accurate and repeatable
 - . Impervious to harsh, critical environments
 - . Weather-proof, explosion-proof
 - . Shock and vibration resistant up to 20 G's
 - . Unaffected by pump ripple and surges
 - . Non-drifting set points and a fixed deadband
 - . Precision control
3. Superior economic value
 - . Low cost of ownership
 - . Fit and forget - Never needs calibration
 - . Maintenance free

Hazardous Areas Certifications:

- . UL/cUL
- . ATEX
- . CCC
- . CE
- . CRN
- . CSA
- . Dual Seal
- . EAC
- . NACE/NEMA



Custom Control Sensors, LLC (CCS) is a global leader in the design, testing, manufacturing and supply of pressure, temperature and liquid flow switches and sensors for the Industrial, Energy, Aerospace and Defense markets. Founded in 1957, CCS revolutionized the 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 associated with trace type pressure switch devices due to vibration, shock and high temperature conditions. As a result, CCS industrial pressure and temperature switch products are the industry standard and 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.

Test of Time Solutions.

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Exploration

Oil Platform
Pump Jack



Refining

Refinery
Control / Annunciator Panel
Relay Alarm System



Transportation

Pipelines
Pump Control



Wellhead Skid

Hydraulic Systems



Power Generation

Turbines
Filtration



CustomControlSensors

Dual Snap®

Pressure, Temperature and Liquid Flow

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Gage 6900GE / 6900PE
Differential 6900DZE

• Diaphragm Sensor • Piston Sensor

- **Adjustable Range:**
0.4-16,000 PSI
0.028-1,103 BAR
2.76-110,316 kPa
- **Proof Pressures up to:**
25,000 PSIG
1,724 BAR
172,369 kPa
- **Weight: 16-49 ounces (467-1372 grams)**



Gage 6900GZEY-7106 / 6900PZEY-7106
Differential 6900DZEY-7106 /
All Stainless, ATEX Approved

• Diaphragm Sensor • Piston Sensor

- **Adjustable Range:**
0.5-16,000 PSI
0.028-1,103 BAR
3.45-110,316 kPa
- **Proof Pressures up to:**
25,000 PSIG
1,724 BAR
172,369 kPa
- **Weight: 25-49 ounces (709-1389 grams)**



Gage 6900GCZZE5Y / 6900PZZE5Y
All Stainless

• Diaphragm Sensor • Piston Sensor

- **Adjustable Range:**
1-16,000 PSI
0.07-1,103 BAR
6.89-110,316 kPa
- **Proof Pressures up to:**
25,000 PSIG
1,724 BAR
172,369 kPa
- **Weight: 16-25 ounces (467-708 grams)**



Gage 611GE
Vacuum 611VE

• Diaphragm Sensor

- **Adjustable Range:**
28.5" Hg Vacuum-180 PSIG
724 mm Hg-12.4 BAR
96.5-1241 kPa
- **Proof Pressures up to:**
1000 PSIG
68.9 BAR
6895 kPa
- **Weight: 10-20 ounces (283-567 grams)**



Differential 672DE / 673DE

• Diaphragm Sensor

- **Adjustable Range:**
2-150 PSID
0.14-10.3 BAR
13.79-1034 kPa
- **Proof Pressures up to:**
4500 PSIG
310 BAR
31,026 kPa
- **Weight: 67 ounces (1876 grams)**



Gage 675GES / 675GES800
Differential 675DES / 675DES800
Vacuum 675VES / 675VES800

• Diaphragm Sensor

- **Adjustable Range:**
0.7-31" H2O
1.7-77.2 mBAR
0.17-7.72 kPa
- **Proof Pressures up to:**
15 PSIG
1034 mBAR
103.4 kPa
- **Weight: 22 ounces (624 grams)**



Gage 646GE - Differential 646DZE / 646DCE
Vacuum 646VE - Crossover 646GVE

• Diaphragm Sensor

- **Adjustable Range:**
28.5" Hg Vacuum-5000 PSIG
724 mm Hg-345 BAR
96.5-34,500 kPa
- **Proof Pressures up to:**
7,500 PSIG
517 BAR
51,700 kPa
- **Weight: 60 ounces (1700 grams)**



Temperature (Probe) 646TE
Temperature (Capillary) 646TUE

• 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: 68-71 ounces (1928-2013 grams)**



Temperature (Probe) 6900TE
Temperature (Capillary) 6900TUE

• Diaphragm Sensor

- **Adjustable Range:**
0 deg F to +650 deg F
-18 deg C to +340 deg C
- **Maximum Probe Temperature up to +700 deg F**
(+371 deg C)
- **Weight: 32 ounces (907 grams)**



Temperature (Probe) 6900TE-7106
Temperature (Capillary) 6900TUE-7106
All Stainless, ATEX Approved

• Diaphragm Sensor

- **Adjustable Range:**
0 deg F to +650 deg F
-18 deg C to +343 deg C
- **Maximum Probe Temperature up to +700 deg F**
(+371 deg C)
- **Weight: 35 ounces (992 grams)**

