



SPARTAN CONTROLS

## Rosemount Series 68 - RTD Sensor Assemblies with Thermowell



- Series 68 sensors are available in capsule, general purpose, and spring-loaded designs in sensor lengths from 1 to 48 inches
- **Temperature Range:** -50 to 400 °C (-58 to 752 °F)
- **Stability:** ±0.11% maximum ice-point resistance shift following 1,000 hours at maximum specified temperature (400 °C)
- **Maximum Hysteresis:** ±0.1% of operating temperature range
- **Time Constant:** 2 seconds maximum required to reach 63.2% sensor response in water flowing at 3 ft/s (0.91 m/s)
- **Sheath Material:** 316 SST
- **Lead Wire:** teflon® insulated, nickel-coated, 22-gauge stranded copper wire

www.spartancontrols.com

**Calgary** 403-207-0700  
305 - 27 St SE

**Edmonton** 780-468-5463  
8403 - 51 Av

**Fort McMurray** 780-790-0440  
300B MacKenzie Blvd

**Grande Prairie** 780-539-1161  
11419 - 98 Av

**Regina** 306-721-6925  
475 Maxwell Cres

**Saskatoon** 306-934-3484  
206B-2750 Faithful Av

**Fort St John** 250-785-0285  
9603 -112 St

**Surrey** 604-539-7250  
104-19329 Enterprise Way

## Overview Drawings

### Simplified Product Order Matrix

#### Model Product Description

0068 Platinum thin film temperature sensor assemblies

#### Code Sensor Lead Wire Termination

N Sensor only

#### Code Sensor Type Single Element Temperature Sensors

11 General-purpose style

21 Spring-loaded style

#### Code Extension Type Material

A Nipple coupling SST

C Nipple union SST

N None (Use with extension length option code 00)

#### Code Extension Length (E)

00 0.0 in.

30 3.0 in.

#### Code Thermowell Material Code Thermowell Material

A Type 316 SST

C Carbon Steel

J Hastelloy® C (304 SST flange, if ordered)

#### Code Length (U / L / T)

040 4.0-in. 6.0-in. 0.5-in.

080 8.0-in. 12.0-in. 2.5-in.

120 12.0-in. 15.0-in. 1.5-in.

180 18.0-in. 21.0-in. 1.5-in.

240 24.0-in. 27.0-in. 1.5-in.

360 36.0-in. 39.0-in. 1.5-in.

480 48.0-in. 51.0-in. 1.5-in.

#### Code Thermowell Mounting Stem

T22 Threaded 3/4-14 ANPT stepped

T26 Threaded 3/4-14 ANPT tapered

T34 Threaded 3/4-14 ANPT straight

W40 Welded 1-in. pipe stepped

W44 Welded 1-in. pipe tapered

W50 Welded 1-in. pipe Straight

F58 Flanged 1-in., Class 150 tapered

F80 Flanged 2-in., Class 300 tapered

F98 Flanged 2-in., Class 600 tapered

#### Code Options

##### Product Certifications

E6 CSA explosion-proof approval

##### Thermowell Options

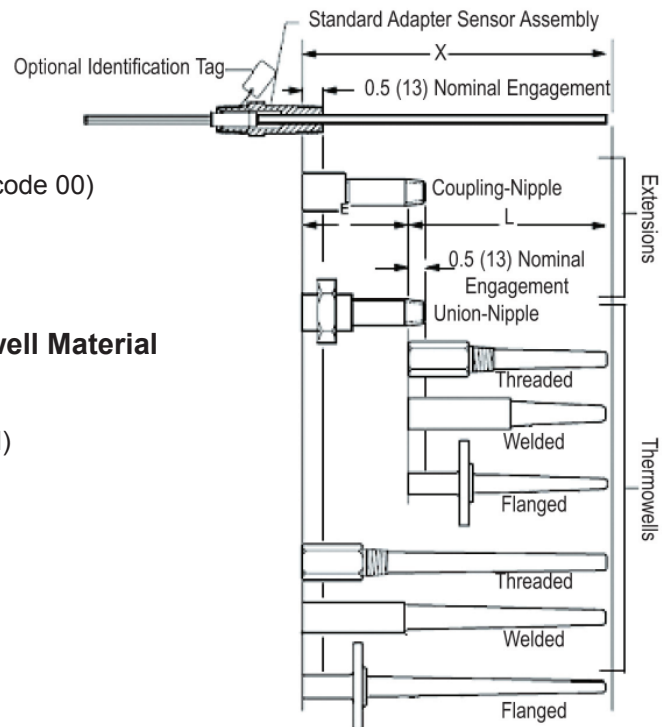
Q8 Thermowell material certificate

R01 Thermowell special external pressure testing

R05 Thermowell NACE approval

##### Mounting Adapters, Lead Wire Extensions, Connectors, and Seals

XA Assemble transmitter to a sensor assembly



(X) sensor length =  
(E) extension length +  
(L) thermowell length minus 0.25 in.

**Additional Selections Available**  
**Contact Spartan Controls for more information**