

## ■ Sensor Wells

Sensor Wells are used to adapt tubular proximity sensors to a wide variety of vessels for level detection applications. Different style wells allow a variety of attachment options. Sensor Wells keep systems sealed prior to sensor installation, as well as during sensor removal. Reliability and performance is improved because the sensor is isolated from the system fluids / materials. Sensor Wells are available in Delrin®, HDPE and Fluoroplastic models Flange Mount, SAE & NPT threads. Sensor Wells isolate sensor from system fluids / materials, offers a highly reliable sealing method, simplifies sensor change-out process and extends the sensor operating lifetime. Maximum operating temperature for SWNPT Delrin version is 180 degrees F. Maximum operating temperature for SWNPT Fluoroplastic version is 350 degrees F. Maximum operating temperature for SWSAE UHMW material is 150 degrees F.



SAE Thread Model



Flange Mount Model



NPT Model

## Ordering Information

**Note:** Shaded models are normally stocked. Un-shaded models require 2-3 weeks delivery.

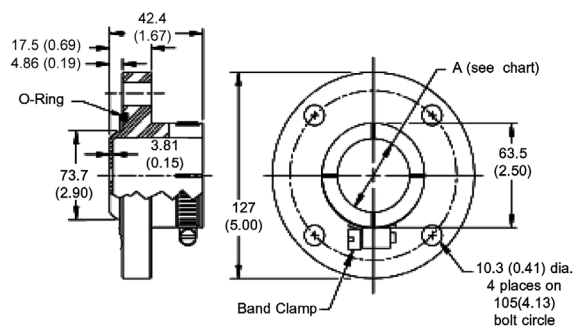
| Sensor well type | Description                                   | Model          |
|------------------|-----------------------------------------------|----------------|
| Flange Mount     | Sensor Well Flange Mount M30 Proximity        | Y92E-SWFM30    |
| Flange Mount     | Sensor Well Flange Mount M30 (34mm) Proximity | Y92E-SWFM34    |
| NPT Thread       | Sensor Well NPT Thread Delrin M12             | Y92E-SWNPT12-D |
| NPT Thread       | Sensor Well NPT Thread Fluoroplastic M12      | Y92E-SWNPT12-T |
| NPT Thread       | Sensor Well NPT Thread Delrin M18             | Y92E-SWNPT18-D |
| NPT Thread       | Sensor Well NPT Thread Fluoroplastic M18      | Y92E-SWNPT18-T |
| NPT Thread       | Sensor Well NPT Thread Delrin M30             | Y92E-SWNPT30-D |
| NPT Thread       | Sensor Well NPT Thread Fluoroplastic M30      | Y92E-SWNPT30-T |
| NPT Thread       | Sensor Well NPT Thread Delrin 34mm            | Y92E-SWNPT34-D |
| NPT Thread       | Sensor Well NPT Thread Fluoroplastic 34mm     | Y92E-SWNPT34-T |
| SAE Thread       | Sensor Well SAE Thread Delrin M18             | Y92E-SWSAE18-D |

**Note:** Flange Mount Smooth Bore (SWFM) models are fabricated using UHMW polyethylene. The O-ring, with an OD of 88.0(3.46), produces the seal and is supplied with Sensor Well.

## Dimensions

Unit: mm (inch)

### Sensor Well Flange Mount



| "A" Dimension | Model       |
|---------------|-------------|
| 30.1 (1.19)   | Y92E-SWFM30 |
| 34.1 (1.35)   | Y92E-SWFM34 |

### Sensor Well NPT Thread

| A              | B              | C              | D              | E              | F              | NPT        | G              | H              | I              | Model              |
|----------------|----------------|----------------|----------------|----------------|----------------|------------|----------------|----------------|----------------|--------------------|
| 44.5<br>(1.75) | 33.0<br>(1.30) | 26.7<br>(1.05) | 9.14<br>(0.36) | 0.76<br>(0.03) | 17.8<br>(0.70) | 1/2x14     | 25.1<br>(0.99) | 31.8<br>(1.25) | 12.1<br>(0.48) | Y92E-SWNPT12-(D/T) |
| 59.7<br>(2.35) | 48.1<br>(1.90) | 38.9<br>(1.53) | 16.5<br>(0.65) | 1.27<br>(0.05) | 22.6<br>(0.89) | 3/4x14     | 31.5<br>(1.24) | 37.3<br>(1.47) | 18.1<br>(0.71) | Y92E-SWNPT18-(D/T) |
|                |                |                |                | 1.91<br>(0.08) | 36.6<br>(1.44) | 1-1/4x11.5 | 44.5<br>(1.75) | 50.0<br>(1.97) | 30.1<br>(1.19) | Y92E-SWNPT30-(D/T) |
|                |                |                | 19.3<br>(0.76) | 2.03<br>(0.08) | 41.1<br>(1.63) | 1-1/2x11.5 | 56.9<br>(2.24) | 63.2<br>(2.49) | 34.1<br>(1.34) | Y92E-SWNPT34-(D/T) |

### Sensor Well SAE Thread for M18 Prox

