

## Scully Thermistor Sensors

### Liquid Level Sensors For Storage Tanks and Other Fixed Applications



SP-O Sensor  
With Mounting  
Elbow



SP-M Sensor  
With Threaded  
Mounting Stem



SP-H Holder For 1 to 3  
SP-M Sensors

#### Scully Thermistor Sensors offer these advantages:

- Incorporates Dynacheck® automatic and continuous self-checking circuitry when used with Scully Control Monitors
- Field proven thermistor technology
- Solid state components with no moving parts
- Use in a wide range of petrochemical products
- Years of dependable maintenance-free operation
- Easy Installation
- Custom sensing level adjustment at installation

#### Description

The Scully SP-O and SP-M models are point level thermistor-liquid level sensors for use with Scully self-checking control monitors. They are used in storage tanks, double containment piping trenches, and other fixed applications to signal the level of liquid product when it reaches a predetermined height. The sensors are solid state devices with no moving parts.

The SP-O models are generally used when a single sensing point is needed in a tank. Typical applications include high level warning and/or shutdown, low level warning, fuel reorder and double wall storage tank interstitial space monitoring. SP-M models are also used for the same applications as above, but are

used in conjunction with the SP-H multi-sensor holder when two or three sensors are needed in a single tank. The model SP-H holder allows from 1 to 3 SP-M sensors to be conveniently installed into a single 2" NPT tank opening. A common use of the SP-M/SP-H combination is for a storage tank's "high" and "high-high" level warning points. A third, perhaps low level sensing point, can also be accommodated in the same SP-H holder.

#### Installation

The SP-O style sensors are furnished with an elbow style electrical junction box for mounting each sensor into a 3/4" NPT opening. The SP-O sensor holder is threaded to accept a 1/2" NPT conduit fitting.

The SP-M style sensors have a 3/8" NPT mounting thread and are generally used in conjunction with SP-H style holder.

The SP-H holder has a 2" NPT mounting thread, a 1/2" conduit entry hole and accepts from 1 to 3 SP-M style sensors. All sensors may be easily extended to the desired installation depth using standard 3/8" IPS pipe and a pipe coupling.

#### Options

Both the SP-O & SP-M sensors are available in three temperature ranges. (See reverse side for details). Consult Scully for more information.