

# SW100 Configuration Sheet

Effective October 1, 2008

	Code	Description
<b>Parent Model No.*</b>	SW100	Flow & Level Switch
<b>Feature 1 : Configuration*</b>	CSD	1.3 inch probe with 3/4 inch male NPT fitting
	CSE	2.0 inch probe with 3/4 inch male NPT fitting
	CES3	3.0 inch probe with 3/4 inch male NPT fitting
	CES4	4.0 inch probe with 3/4 inch male NPT fitting
	CES6	6.0 inch probe with 3/4 inch male NPT fitting
	CES9	9.0 inch probe with 3/4 inch male NPT fitting
<b>Feature 2 : Sensor Material*</b>	SSS	304/316 stainless steel wetted parts
<b>Feature 3 : Enclosure Mount*</b>	ELM	Local enclosure mount
	ERM	Remote - 100 feet maximum; no cable - see options.
<b>Feature 4 : Power Input*</b>	DC24	24 VDC power input
	AC115	115 VAC, 50/60 Hz power input
	AC230	230 VAC, 50/60 Hz power input
<b>Feature 5 : Sensor Type*</b>	ST	Standard Sensor -40 to 200F (-40 to 93C)
<b>Feature 6 : Agency Approval*</b>	NAA	No Agency Approval
	FM	FM Approved; see data sheet; See note **
<b>Feature 7 : Switch point set*</b>	STD	Not factory set; customer will set
	FS	Factory set switch point - Contact Fox.
<b>Options</b>	100408	Extra instruction manual
	100715	6 conductor, 22 AWG PVC cable for remote. Specify feet.
	101682	Compression fitting for extended probe, 1" NPT connection
	100633	3/4" x 3/4" female NPT Stainless Steel Tee
	100657	Stainless Steel Tags
	890000	Cleaned and bagged for Oxygen service
	999994	Certificate of Compliance
	999995	Chamber of Commerce Certificate of Origin

Notes:  
 \* The parent model number and one of each Feature must be specified.  
 \*\* FM approved SW100 cannot have a probe length exceeding 18 inches.

<b>Example:</b>	Code	Description
SW100-CSD-SSS-ELM-AC115-ST-FM-STD	SW100	Flow & Level Switch
	CSD	1.3 inch probe with 3/4 inch male NPT fitting
	SSS	304/316 stainless steel wetted parts
	ELM	Local enclosure mount
	AC115	115 VAC, 50/60 Hz power input
	ST	Standard Sensor -40 to 250F (-40 to 121C)
	FM	FM approved for Hazardous Areas
	STD	Not factory set; customer will set

**Selecting probe length:** Selecting the correct probe length is important to ensure proper operation of the SW100. A probe length that is too short may not produce good repeatability due to non uniform flow profile. A probe length too long may result in sensor damage if the sensor hits the bottom of the pipe.

Recommended probe lengths:

- ¾" pipes – 1.3" sensor (code CSD) plus p/n 100633 tee (see Options).
- 1" and 1.5" pipes – 1.3" sensor (code CSD).
- 2" and 4" pipe – 2" sensor (code CSE).
- 6" and large pipes – probe length equal to ½ the pipe diameter

**To ensure proper operation of the SW100 in liquid applications, the pipe must be full.**