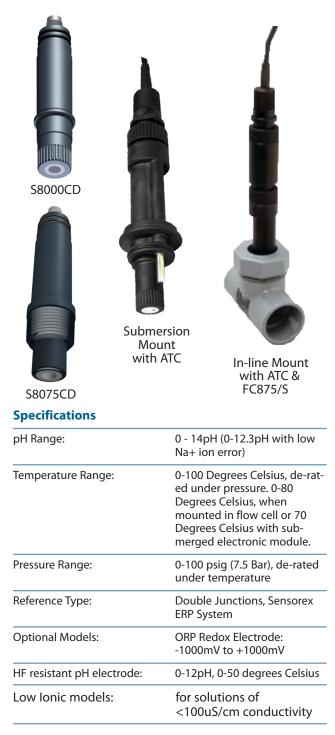


## S8000 Series Modular pH & ORP Systems



Modular Flat Surface pH/ORP Electrodes Configurable for In-line or Submersion Use Optional plug-in Electronic Interfaces Enhanced Sensorex ERP Reference System REDOX, HF and Low Ionic Solution Options

The S8000 series flat surface self cleaning electrode platform is designed for versatility and flexibility. You purchase only the components you need, and can adapt what you have to changing installation needs or interface options.

The sensor utilizes Sensorex's proven flat surface self cleaning technology. The reference system has been enhanced with Sensorex's ERP technology. This provides a complex path which protects the reference in the presence of interacting ions such as heavy metals, proteins, silver and sulfides that interact with silver or chloride. Heavy duty high temperature reference gels offer protection against thermal breakdown of the gel. The same electrode is used for in-line or submersion applications and is constructed in a chemically resistant PPS body.

For applications which require more than a direct electrode output, plug-in electronic modules are available.

The first three modules available are:

- a. Battery powered unity gain module EM800
- b. Battery powered differential module EM801
- c. Blind 2 wire 4-20 mA transmitter EM802/pH or EM802/ORP

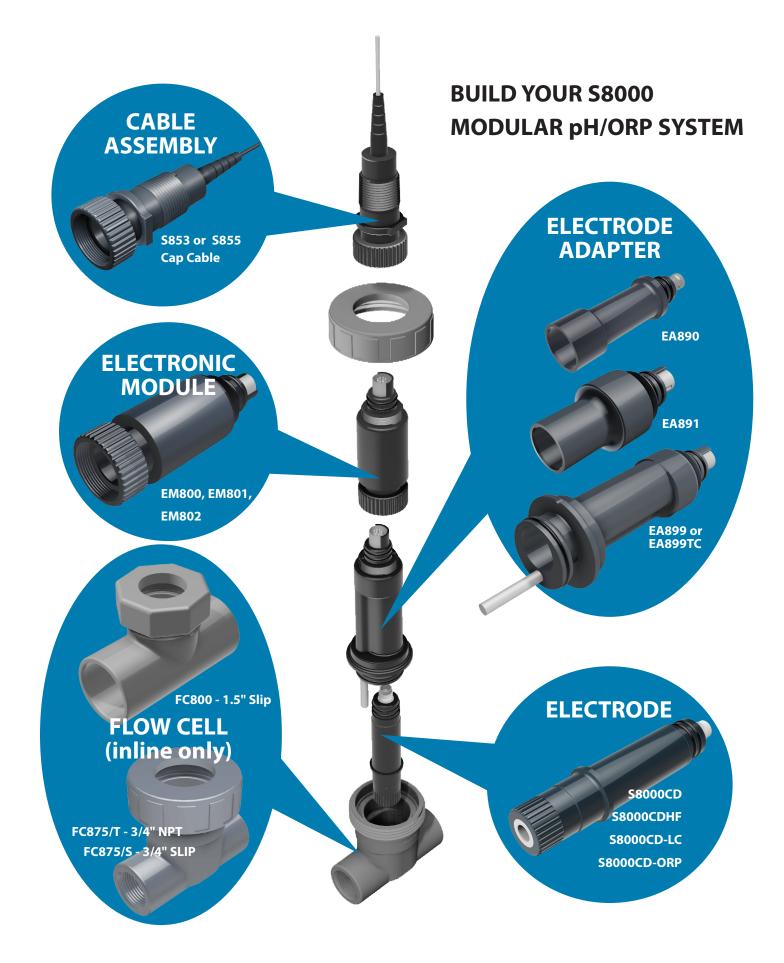
Cap/cables are stocked in two standard lengths, 10 feet and 25 feet. Both cap cable utilize an 8 pin connector. Special cable lengths are also available.

Parts covered by this product data sheet include: S8000CD, S8000CDHF, S8000CD-ORP,

S8000CD-LC, S8075CD, EA890, EA891, EA899, EA899TC, EM800, EM801, EM802-pH, EM802-ORP, S653, S853, S855, FC800, FC801, FC805, FC806, FC875/T, FC875/S

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### **ORDERING INFORMATION**

### **ELECTRODE** - pH or ORP

| Part Number | Description   |
|-------------|---|
| S8000CD     | Flat surface pH elecrode cartridge S8000 Series, Ryton body, double junction reference  |
| S8000CD-ORP | Flat surface ORP elecrode cartridge \$8000 Series, Ryton body, double junction reference  |
| S8000CDHF   | Flat surface pH elecrode cartridge S8000 Series, HF resistant, Ryton body, double junction reference  |
| S8000CD-LC  | Flat surface pH elecrode cartridge S8000 Series, for low conductivity water (<100uS), Ryton body, double junction reference                             |
| S8075CD     | Flat surface pH elecrode cartridge S8000 Series, Ryton body, double junction reference, integrated 3/4" NPT threads                                     |
| S8075CD-ORP | Flat surface ORP elecrode cartridge \$8000 Series, Ryton body, double junction reference, integrated 3/4" NPT threads                                   |
| S8075CDHF   | Flat surface pH elecrode cartridge S8000 Series, HF resistant, Ryton body, double junction reference, integrated 3/4" NPT threads                       |
| \$8075CD-LC | Flat surface pH elecrode cartridge S8000 Series, for low conductivity water (<100uS),Ryton body, double junction reference, integrated 3/4" NPT threads |

#### **ELECTRODE ADAPTER**

| Part Number | Description  |
|-------------|--|
| EA890       | Electrode adapter, retrofits S8000 to old S653 cables  |
| EA891       | Electrode adapter, Submersion mount, NO TC. Use with cable S853  |
| EA899       | Electrode adapter, Submersion or in-line mount, NO TC, with solution ground. Use with cable S855           |
| EA899TC     | Electrode adapter, Submersion or in-line mount, with TC & solution ground. Use with cable S855. Specify TC |

### **ELECTRONIC MODULES**

| Part Number | Description   |
|-------------|---|
| EM800       | Battery-powered, unity gain amplifier. Use for cable length >30ft only. Use with \$853 cable.                 |
| EM801       | Battery-powered, differential amplifier. Requires Electrode adapter EA899 or EA899 TC. Use with S853 cable.   |
| EM802-pH    | 24V DC-powered, 4-20mA pH transmitter module. Requires Electrode adapter EA899 TC/P1k. Use with S853 cable.   |
| EM802-ORP   | 24V DC-powered, 4-20mA ORP transmitter module. Requires Electrode adapter EA899 or EA891. Use with S853 cable |

### **CABLE ASSEMBLIES**

| Part Number   | Description  |
|---|--|
| \$853/10/"X"  | Coaxiable cable assembly for \$8000 Series., 10ft cable length. Specify connector in place of "X"  |
| \$853/25/"X"  | Coaxiable cable assembly for \$8000 Series., 25ft cable length. Specify connector in place of "X"  |
| S855/10/"X"/"Y"   | Coaxiable cable assembly + 3 wire (R, G, B) S8000 Series., 10ft cable length. Specify pH connector in place of "X", TC connector in place of "Y" |
| \$855/25/"X"/"Y"  | Coaxiable cable assembly + 3 wire (R, G, B) S8000 Series., 25ft cable length. Specify pH connector in place of "X", TC connector in place of "Y" |
| 10ft and 25ft cables are in stock. Other cable lengths can be made. Consult Sensorex for details.<br>Cable Connector Choices: BNC, Tinned lead ("-TL "), Spade Lug ("SL") |  |

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### **ORDERING INFORMATION (Cont.)**

#### **FLOW CELLS**

| Part Number | Description  |
|-------------|--|
| FC800       | Flow cell, CPVC for S8000 Series. Fits EA899 or EA899TC electrode adapters, 1.5" Slip connection.        |
| FC805       | Flow cell, CPVC for S8000 Series. Fits EA899 or EA899TC electrode adapters, 1.0" FNPT connection.        |
| FC95C       | Flow cell, CPVC for S8000 Series. Fits EA899 or EA899TC electrode adapters, 2.0" Slip connection.        |
| FC806       | Flow cell, CPVC for S8000 Series. Fits EA899 or EA899TC electrode adapters, 1.0" SLIP connection.        |
| FC875/T     | Flow cell, CPVC for S8000 Series. Fits EA899 or EA899TC electrode adapters, 3/4" MNPT connection.        |
| FC875/S     | Flow cell, CPVC for S8000 Series. Fits EA899 or EA899TC electrode adapters, 3/4" slip/socket connection. |

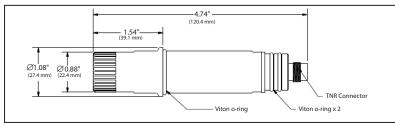
### **PRE-CONFIGURED KITS**

| Part Number       | Description  |
|-------------------|--|
| S8100/10/BNC      | Kit, S8000CD + EA891 + S853/10/BNC (Submersion mount pH, no ATC), 10ft cable, BNC connector  |
| S8100-ORP/10/BNC  | Kit, S8000CD-ORP + EA891 + S853/10/BNC (Submersion mount ORP), 10ft cable, BNC connector   |
| S8100TC/10/BNC/TL | Kit, S8000CD + EA899TC/P1K + S855/10/BNC/TL (Submersion mount pH with ATC, 10ft cable, BNC connector, PT1000 TC type)              |
| S8200/10/BNC      | Kit, S8000CD + EA899 + FC800 + S853/10/BNC (In line pH, no ATC, 1.5" Flow cell, 10ft cable, BNC connector)                         |
| S8200-ORP/10/BNC  | Kit, S8000CD-ORP + EA899 + FC800 + S853/10/BNC (In line ORP, 1.5" Flow cell, 10ft cable, BNC connector)                            |
| S8200TC/10/BNC/TL | Kit, S8000CD + EA899TC/P1K + S855/10/BNC/TL (In line mount pH with ATC, 1.5" Flow cell, 10ft cable, BNC connector, PT1000 TC type) |

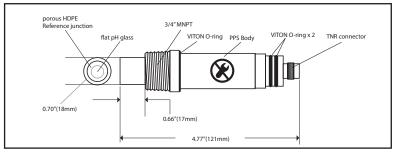


# **Outline and Dimensions**

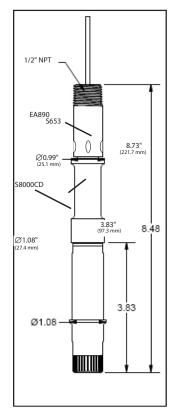
### S8000CD, S8000CDHF, S8000CD-ORP, S8000CD-LC

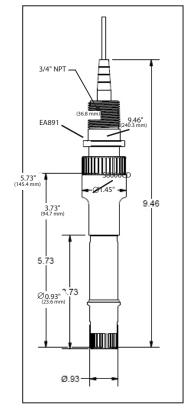


### S8075CD, S8075CD-ORP



S8000CD + EA890 + S653 S8000CD + EA891 + S853





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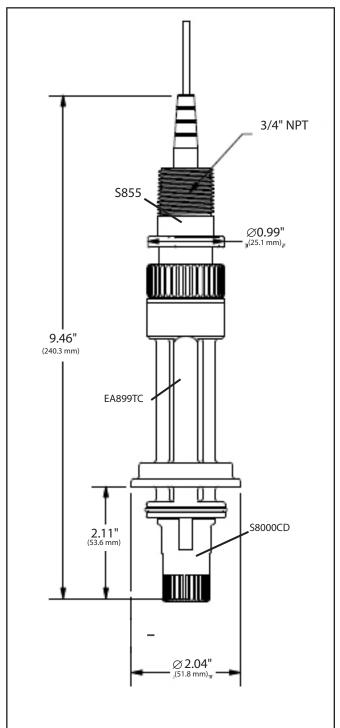
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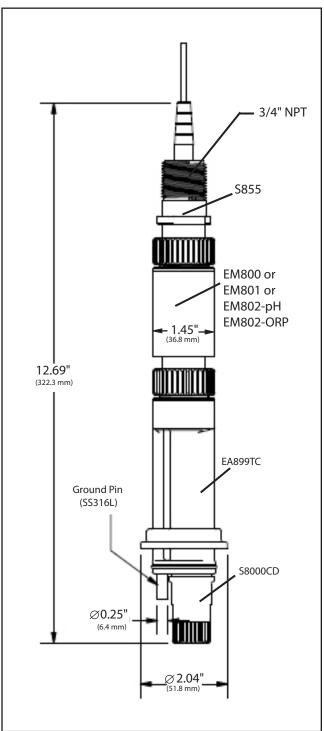


## **Outline and Dimensions**

**S8000CD + EA899TC + S855** 



S8000CD + EA899TC + EM800 Series+ S855



### Sweek www.isweek.com

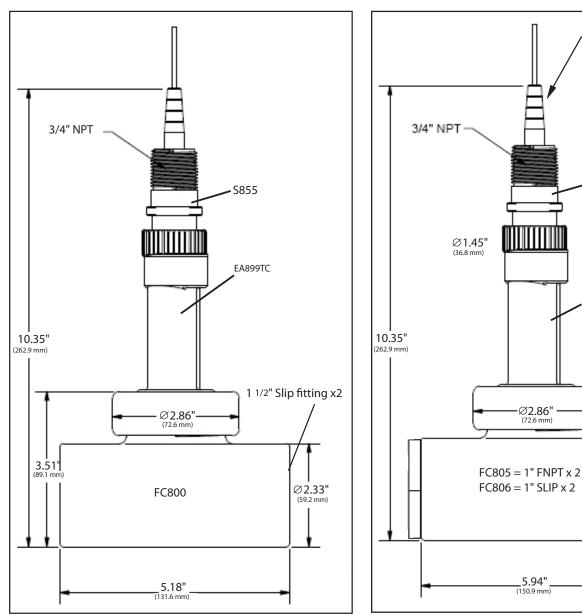
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# **Outline and Dimensions**

S8000CD + EA899TC + S855 + FC800



## S8000CD + EA899TC + S855 + FC804 + EM800

3/4" NPT

S855

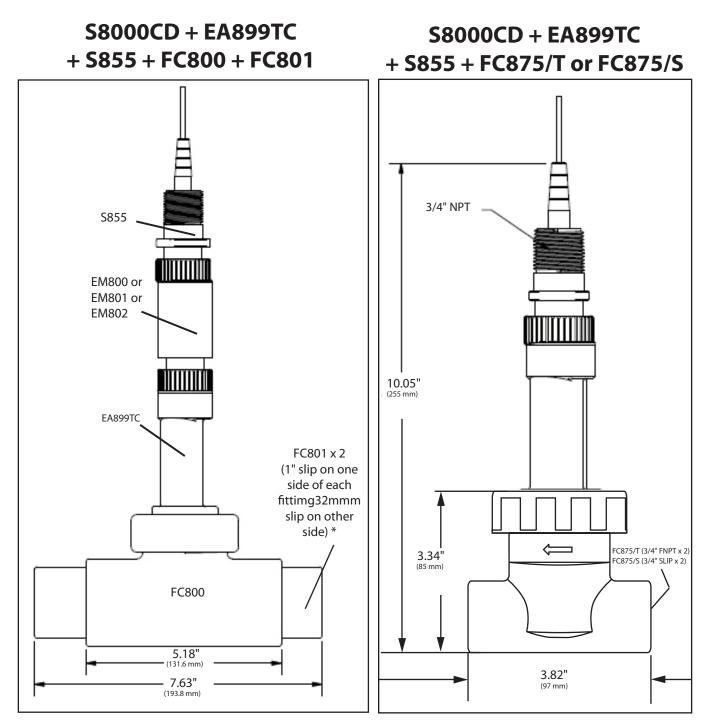
EA899TC

3/4" NPT x 2

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## **Outline and Dimensions**

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