



## Water Quality Instrumentation pH & ORP

# 750 Series II

### Benefits

- Affordable
- Ease of Operation
- Low Maintenance
- Ensures Product Quality

### Applications

- Deionization (DI) and distillation ultrapure water treatment systems
- Electronics
- Pharmaceuticals
- Laboratories
- Food Processing
- Plating
- Power Plants
- Boiler Condensate
- Process Control

### Specifications

- Ranges: 7 ranges from 0-200K to 0-20MΩ See Price List for further details.
- Display: Analog Models: 2.5 in./63 mm meter  
Digital Models: .5 in./13 mm 3½ Digit LCD  
Optional: 3½ Digit Backlit
- Accuracy: Analog Models: ± 2% of full scale  
Digital Models: ± 1% of full scale
- Sensitivity: 0.05% of full scale
- Stability: 0.05% of full scale
- Repeatability: 0.1% of full scale
- Calibration Check: Built-in
- Recorder Output: 0-10 VDC @ 5 mA max. (linear); standard all models
- Sensor Inputs: 1 (3 input option available)
- Control Function: Single Alarm/Controller fully adjustable 0-100% of full scale  
Hysteresis: Adjustable from 0.3-3% of full scale  
Indicators: Above (green) and below (red) setpoint LEDs (reversible)  
Contact Rating: SPDT 10 amp @ 250 VAC, 30 VDC. Relay operates decreasing or increasing reading (selectable)  
Second Alarm/controller, with above specifications optional
- Solid State Output: Powered; 24 VDC unregulated 30 mA max
- Power: 115/230 VAC, 50/60 Hz, ±15% (user selectable) 24 VAC or VDC optional
- Maximum Power Consumption: @ 115V: 100 milliamps
- Dimensions: 152 H x 122 W x 96 D mm / 6 H x 4.8 W x 3.8 D in.
- Construction: Fully gasketed heavy-duty ABS case; water-resistant and corrosion proof  
IP65/NEMA 4X rated
- Ambient Temp Range: 0 - 60°C/32 - 140°F
- Weight: 0,9 kg/2 lbs.

## SENSOR SELECTION GUIDE

Conductivity/TDS, and Resistivity Monitor/controllers

| ● FEATURES                                                                                                      |                                                                          | ○ WITH T-FITTING (BY CUSTOMER) |                 | INSERTION | SUBMERSION | FLOW THROUGH | LOW RANGE<br>(K-0.05 & 0.1) | MEDIUM RANGE<br>(K-1.0) | HIGH RANGE<br>(K-10.0) | MAX PRESSURE<br>& TEMPERATURE                                                                                                | KEY FEATURES                                                 |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------|-----------------|-----------|------------|--------------|-----------------------------|-------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| <b>CS10<br/>CS10LS</b><br>316SS<br>TEFLON®                                                                      |                                                                          | 3/4" NPT<br>STD                | 1/2" NPT<br>OPT | ●         | ●          | ●            | ●                           |                         |                        | 100 psi/6,9 bar<br>at 100°C/212°F                                                                                            | High Purity<br>Water                                         |
| <b>CS40<br/>CS40HT</b><br><small>(Previously unavailable,<br/>contact manufacturer)</small><br>316SS<br>TEFLON® | <br><small>Shown w/optional<br/>wet-lap valve &amp; junction box</small> | 3/4" NPT                       | 1" NPT<br>VALVE | ●         | ●          | ●            | ●                           | ●                       |                        | 100 psi/6,9 bar<br>at 120°C/248°F                                                                                            | Valve<br>Insertable<br>Wide Range of<br>Measurement          |
| <b>CS41<br/>CS41HT</b><br>316SS<br>TEFLON®                                                                      |                                                                          | 3/4" NPT                       |                 | ●         | ●          | ●            | ●                           | ●                       |                        | 100 psi/6,9 bar<br>at 150°C/302°F<br>250 psi/17,2 bar<br>at 205°C/401°F<br>(HT OPTION)<br>400 psi/27,6 bar<br>at 100°C/212°F | Boiler &<br>Condensate<br>Service                            |
| <b>CS50</b><br>316SS<br>CPVC                                                                                    |                                                                          | 1" NPT                         |                 | ●         | ●          | ●            | ●                           | ●                       |                        | 100 psi/6,9 bar<br>at 95°C/203°F                                                                                             | Low Cost                                                     |
| <b>CS51<br/>CS51LC<br/>CS51LS<br/>CS51R</b><br>316SS, TEFLON®                                                   |                                                                          | 3/4" NPT<br>STD                | 1/2" NPT<br>OPT | ●         | ●          | ●            | ●                           | ●                       |                        | 100 psi/6,9 bar<br>at 100°C/212°F                                                                                            | Low Cost<br>Small Size                                       |
| <b>CS52</b><br>316SS<br>CPVC/<br>TEFLON®/<br>KYNAR®                                                             |                                                                          | 3/4" NPT                       |                 | ●         | ●          | ●            |                             |                         | ●                      | 100 psi/6,9 bar<br>at 95°C/203°F                                                                                             | High Range<br>Low Cost                                       |
| <b>CS60</b><br>316SS<br>TEFLON®/<br>KYNAR®                                                                      |                                                                          | 1" NPT                         |                 | ●         | ●          | ●            | ●                           | ●                       |                        | 100 psi/6,9 bar<br>at 120°C/248°F                                                                                            | Excellent<br>Chemical<br>Resistance                          |
| <b>CSA<br/>CSATC<br/>CSAR</b><br>316SS<br>ABS PLASTIC                                                           |                                                                          | 3/4" NPT                       |                 | ●         | ●          | ●            |                             | ●                       |                        | 75 psi/5,2 bar<br>at 60°C/140°F                                                                                              | Extremely<br>Low Cost                                        |
| <b>Sanitec<br/>Fitting<br/>Option</b><br>All CS10 & CS51<br>MODELS                                              | <br>316SS - TEFLON®                                                      |                                |                 | ●         | ●          | ●            | ●                           | ●                       |                        | 100 psi/6,9 bar<br>at 120°C/248°F                                                                                            | Sanitec Fitting<br>excellent<br>for sanitary<br>applications |