

**MODEL 835 QUICK-UNION CHLORINE SENSOR  
Specification**

<b>Measurement Range</b>	
Free Available Chlorine (HOCl).....	0 mg/L to 2 mg/L
Total Free Available Chlorine (HOCl + OCl <sup>-</sup> ).....	0 mg/L to 5 mg/L
<b>Minimum Temperature</b> .....	0 °C (32 °F)
<b>Maximum Temperature</b> .....	80 °C (176 °F)
<b>Maximum Pressure</b> .....	621 kPa (90 psi)
<b>Principle of Operation</b> .....	Galvanic
<b>Electrode Materials</b>	
Cathode.....	Gold
Anode.....	Silver
<b>Wetted Materials</b> .....	CPVC, PTFE, Viton
<b>Temperature Sensor</b> .....	1000 Ω PT RTD
<b>Minimum Flow Velocity</b> .....	15 cm/s (0.5 ft/s)
<b>Electrode Dimensions</b>	
Diameter.....	3.3 cm (1.3 in)
Length.....	20.3 cm (8.0 in)
<b>Process Connections</b> .....	0.75 in FNPT submersion pipe mount; Universal
<b>Pressure &amp; Temperature Limits at Insertion</b>	
Option -26; CPVC union insertion fitting, 1.5 in MNPT.....	414 kPa at 90 °C (60 psi at 194 °F)
Option -27; PVDF union insertion fitting, 1.5 in MNPT.....	621 kPa at 90 °C (90 psi at 194 °F)
<b>Sensor Cable</b> .....	4 conductor; 1.5 m (5.0 ft) in length
<b>Weight</b> .....	0.9 kg (2.0 lb)
<b>Shipping Weight</b> .....	1.4 kg (3.1 lb)
<b>Shipping Dimensions</b> .....	30 cm × 23 cm × 23 cm (12 in × 9 in × 9 in)