



Specifications:

Series STs Channel 1, Dissolved Oxygen transmitter

O ₂ sensing range	0-20 mg/l (0 to 10 mg/l optional)
Output	4 to 20 ma
Power supply voltage	7 to 40 vdc
Loop impedance (max)	250 ohms at 12 vdc, 850 ohms at 24 vdc, 1650 ohms at 40 vdc
Isolation	600 vdc, >70 db at 50/60 hz
Linearity (of electronics)	± 0.5% of full scale
Accuracy	± 2.0% of full scale
Sensitivity	± 0.05% of full scale
Stability	± 2.0% of full scale
Repeatability	± 1.0% of full scale
Electrode type	galvanic, cartridge
Response time (including electrodes)	98% < 60 seconds
Temperature compensation	automatic, 0-50 °C
Pressure	0-100 psi
Humidity	0-100%
Wetted materials	316 ss, PVDF or Delrin, Viton, glass, titanium optional
Length	362 mm (14.25 in.)
Diameter	19 mm (0.750 in.) maximum
Weight (excluding cable)	< 0.22 kg (0.5 lb.)
Cable type	Removeable, shielded polyurethane, water-blocked Kevlar reinforced, 1.36 kg/100 feet
Cable length (standard)	7.6 meters (25 feet)
Cable from transmitter to power supply	4 conductor, twisted pair, 3 mile maximum
ORP channel wire colors	Red (+), Black (-)

Channel 2, temperature transmitter

Range	0-50 °C
Output Current	4 to 20 ma, true 2-wire
Linearity	± 0.5 °C
Accuracy	± 1 °C
Power supply voltage	7 to 36 vdc
Isolation	600 vdc, >70 db at 50/60 hz
Cable from transmitter to power supply	4 conductor, twisted pair, 3 mile maximum
Temperature channel wire colors	White (+), Green (-)

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