

## WQ615 INDUSTRIAL ORP TRANSMITTER



- Isolated 4-20 ma output -- operates down to 7 volts
- 316SS and PVDF construction
- 'True' 2-wire operation
- Automatic temperature compensation
- Auto-polarity correction
- Optional, independent temperature output (0 to 50 C°)
- Small, 19 mm (3/4") diameter -- ideal for wells
- Comes with 10 meter cable (33 feet) -- rated for continuous submersion and burial

### Description

The ORP (Redox) transmitter has an integrated preamp and an isolated 'true 2-wire', 4-20 ma transmitter. Two independent channels can simultaneously transmit a ORP and optional temperature signal -- two wires for the ORP transmitter and two wires for the temperature transmitter. The compact design and the 316SS and PVDF construction make the rugged ORP sensor/transmitter ideal for applications such as process control, data acquisition, wastewater treatment, and, groundwater monitoring. The ORP transmitters can be submersed to 200 feet (approximately 100 psi). Individual ORP transmitters can be combined to make redundant or multiparameter modules using a unique connector system. This system also allows for the ORP transmitters to be used in in-line (insertion) applications without fear of blow-out. The ORP sensor/transmitters are designed with 'ease of service' as a primary goal.



### Specifications

Output: 4-20 mA  
 Range: 0-1000 mV and  $\pm 500$  mV  
 Operating Voltage: 7-40 VDC  
 Loop Impedance:  
 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:  $\pm 4$  mV  
 Accuracy:  $\pm 4$  mV  
 Sensitivity:  $\pm 1$  mV  
 Stability:  $\pm 2$  mV  
 Repeatability:  $\pm 10$  mV  
 Electrode type: platinum, double junction  
 Temperature compensation: automatic, 0-50 C°  
 Maximum Pressure: 100 PSI  
 Response Time: (including electrodes) 95% < 20 seconds  
 Size of Probe: 19 mm (0.750 in.) max diameter x 343 mm (13.5 in.)  
 Weight: 1 lb.  
 Wetted materials: 316 ss, PVDF, Viton, glass

### Price List

**WQ615**  
 Industrial ORP/Redox Transmitter.....\$ 740

**Extra Cable**  
 Standard industrial conductivity sensors include 33' of cable, but can be purchased with up to 1000' of cable.....\$1.50/ft

**Temperature Output Option**  
 Range: 0-50 C°, Accuracy:  $\pm 1$  C°.....\$200

**In Line Insertion Fitting**  
 Reversible 316 SS fitting for insertion or submersion with Teflon seals, 3/4" MNPT, includes anti-blowout ring for safety.....\$125

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