

Model 692 Two-wire pH and ORP Transmitters

- **Multiple readouts.**
(pH/ORP, °C, mV, 4-20 mA)
- **Simple automated calibration.**
- **Easy setup and operation.**
- **Built-in pH versus temperature table.**
- **Accepts differential or conventional sensor.**
- **System diagnostics capability.**
- **Designed intrinsically safe.**
- **NEMA 4X protection.**



Specifications

Operational:

Display.....4-1/2 digit LCD with measurement unit and setup variable identifiers,
7/8 inch (22 mm) high digits

Measuring Range:	Model 692P	Model 692R
pH.....	0.00 to 14.00 pH	
Temperature.....	14.0 to 230.0°F (-10.0 to + 110.0°C)	14.0 to 230.0°F (-10.0 to 110.0°C)
Millivolts.....	(-) 500 to (+) 500 mV	(-)2000 to (+) 2000 mV
Output Current.....	4.00 to 20.00 mA	4.00 to 20.00 mA

Ambient Conditions-22 to + 122°F (-30 to + 50°C), 0 to 95% relative humidity, non-condensing.

Temperature CompensationAutomatic 32-212°F (0-100°C), 300 ohm thermistor or Pt 1000 RTD,
switch selectable

Sensor-To-Transmitter Distance:.....3000 ft. (914 m) max. for 5 wire Differential Technique sensor;
10 ft. (3 m) max. for direct connection of conventional combination electrode

Power Requirements.....16 to 40 volts DC

Analog OutputsIsolated 4-20 mA with output hold feature

Range Expand - The 4-20 mA output can be range expanded to represent a one pH unit
(50 mV for Model 692R transmitter)

^Δ Maximum Loop Load.....With 24 VDC supply: 400 ohms
(load in series with 692 and power supply) With 32 VDC supply: 800 ohms
With 36 VDC supply: 1200 ohms

Transmitter Performance

(Electrical, Analog Output):

Sensitivity0.5% of span
Stability0.05% of span per 24 hours,
non-cumulative
Non-Linearity0.05% of span
Repeatability0.1% of span or better
Temperature Drift ...Zero: 0.01% of span per °C;
Span: 0.01% of span per °C
Response Time1 seconds to 90% of value upon
step change

Mechanical:

EnclosureGeneral purpose – safe for Division 2;
NEMA 4X, Polycarbonate with Two ½
inch conduit holes and four stainless
steel mounting tabs
Mounting Conf....Surface mount; optional vertical or
horizontal pipe mounting
Net Weight3 lbs. (1.36 kg) approximately

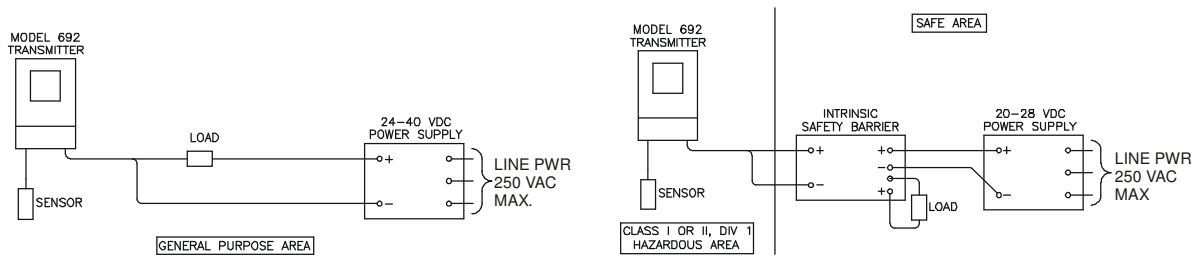
Ordering Information

MODEL NUMBER 692	PARAMETER P pH transmitter in NEMA 4X enclosure R.....ORP transmitter in NEMA 4X enclosure
	INPUT CAPABILITY S1.....For conventional combination electrode S2.....For 5-wire differential technique electrode

Product Number

Choose one from each category.

Typical Wiring System



General Purpose Area Use (Powered without Barrier)

Hazardous Area Use (Powered through Barrier)

Dimensions

Inches (mm)

