

Models 692 Two-wire Conductivity Transmitters (For Contacting Type conductivity sensors)

FEATURES

- Designed intrinsically safe.
- Multiple Readouts.
(COND., TEMP & mA output)
- Multiple Temperature compensation options.
- Simple Automated Calibration.
- Easy Setup and Operation.
- System Diagnostics Capability.
- 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: Conductivity.....Ranges depend on the selected sensor Cell constant:
 Cell constant: 0.05, 0.5, 10.0 or special
 Range: 0-20µS/cm, 0-200µS/cm and 0-2000µS/cm, 0-4mS.cm and 0-40mS/cm

Temperature.....-10.0°C to + 200.0°C (14.0° F to 392°F)

Ambient Conditions-20 to 60°C (-4 to 140°F); 0 to 95% relative humidity, non-condensing.

Temperature CompensationAutomatic : -10°C to 200°C for Pt 1000 RTD and for 3KΩ Thermistor ;
user entered linear % per °C.

Sensor-To-Transmitter Distance:.....300 ft. maximum

Power Requirements.....16-40 volts DC

Analog OutputsIsolated 4-20 mA with output hold feature

Range Expand- The 4-20 mA output can be made to represent any 10% segment of the measuring scale.

Maximum Loop Load.....With 24 VDC supply: 400 ohms
(load in series with 692 With 32 VDC supply: 800 ohms
and power supply) With 36 VDC supply: 1000 ohms

Analyzer Performance

(Electrical, Analog Output):

Sensitivity0.3% of span

Stability0.1% of span per 24 hours,
non-cumulative

Accuracy.....0.1%

Non-Linearity0.5% of span

Repeatability0.2% of span or better

Temperature DriftZero: 0.05% of span per °C
Span: 0.025% 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

MountingSurface mount; optional vertical or
horizontal pipe mounting tabs

Net Weight3 lbs. (1.36 kg approximately).

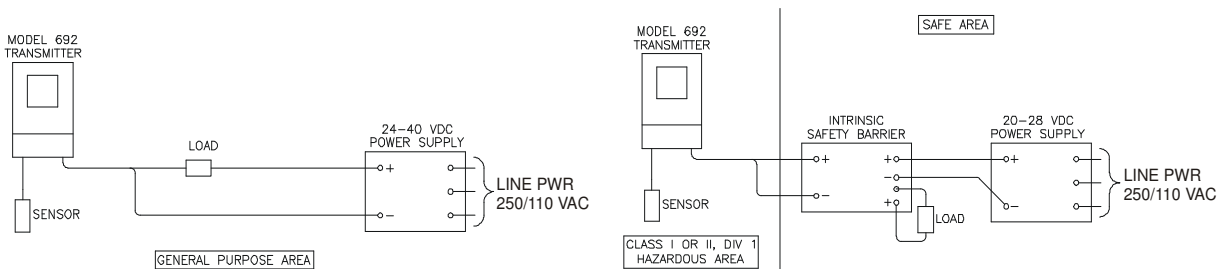
Ordering Information

MODEL NUMBER	
692C	Two-wire contacting conductivity transmitter in NEMA 4X enclosure.
CELL CONSTANT	
K1 0.05	K4 – Special
K2 0.5	
K3 10	
TEMPERATURE	
T1	RTD 1K Ω
T2	Thermistor NTC 3KΩ
N	Standard Instruments
K	Special Instruments

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)

