



Continuous Output Level Transmitters

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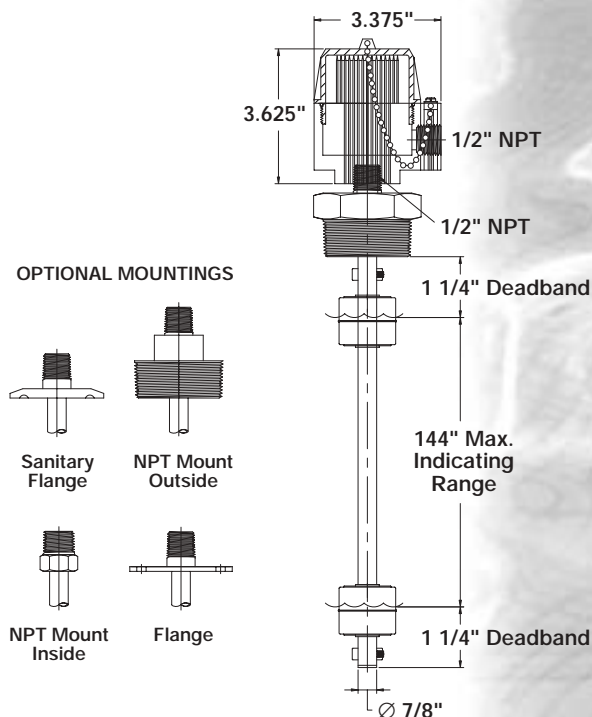


Model TR420: Continuous Output Level Transmitter

The TR420 is a low cost, vertically mounted, continuous output transmitter designed for remote liquid level monitoring.

Employing a staged series of magnetic reed switches and resistors, this sensor provides a continuous 4-20 mA output proportional to the tank level that can be used in conjunction with programmable controllers, meters or other digital receivers.

The electronics are field replaceable without removal of the probe from the process. With probe lengths up to 12 feet, the TR420 is available in 316L stainless steel, buna or polypropylene floats and a wide variety of mounting and process connections. Nema 4 or Nema 7 & 9 enclosures are also available.



Model	Max Temp.	Stem	Float	Float Dia.	Applications
TR420-0401-20	+180° F / +82° C	Brass	Buna	1.87"	Petroleum based liquids, diesel
TR420-0408-03	+150° F / +65° C	316 SS	PP	2"	General purpose, water based liquids
TR420-0408-08	+300° F / +148° C	316 SS	316 SS	1.63"	Food and beverage, medical, severe service

Features:

- 4-20 mA output
- Power: 24 VDC
- 2 Wire Loop Powered
- 316L stainless, brass & engineered plastics
- Replaceable solid state electronics
- Lengths up to 12 feet
- Watertight NEMA 4 (IP65) enclosure

Electrical:

- Power: 24 VDC
- Output Signal: 4-20 Ma
- Power Consumption: 1 VA
- Linearity: $\pm 0.5\%$ of actual

Environmental:

- Ambient Temperature (Electronics): -40° to +160° F (-40° to +71° C)
- Process Temperature: (see table)
- Process Pressure:
- Plastic: 50 psig (3.4 bar)
- Buna: 150 psig (10 bar)
- 316 SS: 750 psig (51 bar)

Applications:

- Food & Beverage Processing
- Medical & Pharmaceutical
- HVAC
- Underground Tanks
- Day Storage Tanks
- Chillers & Cooling Towers
- Semiconductor Processing