The Series CRF2 Capacitive Level Transmitter provides a two-wire 4-20 mA output to indicate level of liquids, powders and bulk materials. The CRF2 senses capacitance changes resulting from the height of the material in the tank between the probe and the tank wall. In non-metallic tanks or tanks that do not have the wall parallel to the probe a ground reference must be used.

**FEATURES/BENEFITS**
- State of the art sensing technology, uses impulse RF admittance measurement which provides excellent accuracy and stability
- Comes with either a rigid or flexible probe depending on application/installation need and probe length required
- Easy push-button calibration of zero and span
- Any length probe can be customer ordered for any specific application
- FEP covered probe is ideal for use with corrosive media
- Immune to external RF sources like walkie-talkies and cell phones as well as minimal interference with radio communication or other electronic systems

**APPLICATIONS**
- Pulp and paper processing
- Food and beverage
- Plastics

**SPECIFICATIONS**
- **Service:** Liquids, powders, and bulk materials compatible with wetted materials.
- **Wetted Materials:** Standard: Rod/cable: FEP, Connection: 316 SS; Ground option: Rod/cable and connection: 316 SS; Cable spacers: PVC; Flange option: Material of flange.
- **Capacitance Range:** 0 to 2000 pF.
- **Sensitivity:** 0.15 pF.
- **Minimum Span:** 8 pF.
- **Accuracy:** ±0.5 pF or ±0.25% of span, whichever is greater.
- **Repeatability:** ±0.25 pF or ±0.1% of span, whichever is greater.
- **Temperature Limits:** Ambient: -40 to 185°F (-40 to 85°C); Process: -40 to 250°F (-40 to 121°C).
- **Pressure Limit:** 100 psi (6.9 bar).
- **Power Requirements:** 12-35 VDC.
- **Output Signal:** 4-20 mA or 20-4 mA, 2 wire.
- **Response Time:** 0.5 s.
- **Electrical Connection:** Screw terminal.
- **Conduit Connection:** 1/2˝ NPT female.
- **Process Connection:** Standard: 3/4˝ NPT male; Optional: See model chart.
- **Enclosure Rating:** NEMA 4X (IP66) weather tight/corrosion resistant.
- **Spark/Static Protection:** 10$^6\ \Omega$ dissipation resistance with spark gap. Surge current to 100 A max.
- **Calibration:** Zero, span, 4 mA, 20 mA.
- **Mounting Orientation:** Vertical.
- **Weight:** 6’ rod type: 3.6 lb (1.63 kg).

**MODEL CHART**

<table>
<thead>
<tr>
<th>Example</th>
<th>CRF2</th>
<th>Enclosure</th>
<th>Probe Type</th>
<th>Process Connection</th>
<th>Probe Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRF2-WR01T-048-M20</td>
<td>Capacitive level transmitter</td>
<td>Weatherproof</td>
<td>Rod</td>
<td>3/4˝ NPT male</td>
<td>XXX</td>
</tr>
</tbody>
</table>

**Examples:**
- CRF2-WR01T-048-M20, $567.75$
- CRF2-WR01T-096-M20, $639.75$

Consult website for pricing for all options.