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1 μ LPR Flex Cable Corrosion Sensors

- ✓ **Step 1.1** Clean surface where sensor is to be applied with alcohol or degreasing solvent.
- ✓ **Step 1.2** Carefully dispense equal amounts of the supplied industrial epoxy and mix well.
- ✓ **Step 1.3** Wearing gloves, apply thin layer of epoxy to the back of the sensor. Then carefully scrape off the excess from the backside of the sensor leaving a very thin layer directly beneath the sensor element grid area.
- ✓ **Step 1.4** Carefully place sensor in desired location and apply firm pressure with a clean gloved finger to the rear half area of the sensor's rectangular footprint.
- ✓ **Step 1.5** Using a clean cotton swab gently brush the top of the sensor element grid area to force out (from backside) any excess epoxy. Be sure to never contaminate the sensor grid area with epoxy.
- ✓ **Step 1.6** Excess epoxy at the sensor edges can be carefully wiped up using clean cotton swabs. Swab away from the sensor grid.
- ✓ **Step 1.7** Hold the sensor in place (beware of creep/slippage) until the epoxy sets; which should take approximately 5 minutes at room temperature.

 **Note:** It is highly recommended to practice the application procedure using the supplied dummy μ LPR sensors and plastic board. Carefully observe how much adhesive is used and how well it disperses, and adjust your method accordingly. Also, note whether any adhesive is on the sensor grid itself. This is unacceptable and will hinder proper sensor functioning. When installing μ LPR sensors, it is highly recommended to change gloves for each new sensor to ensure no contamination of the sensors with epoxy occurs from a dirty pair of gloves.

2 AN110 DAQ Node

- ✓ **Step 2.1** Identify a suitable mounting location where unit will lie flat against a surface.
- ✓ **Step 2.2** Using acceptable fasteners, straps, or tie wraps, affix unit to structure.
- ✓ **Step 2.3** Connect the eight (8) μ LPR corrosion sensor cable male connectors to the Monitor channels labeled Channel 1 - Channel 8. The subminiature round connectors plug into the side of the monitoring unit. Make sure the widest channel on the connector lines up with the indicator mark on the rubber grommet on the side of the unit. When correctly aligned the connector will slip in the first 1/16" (1 mm), then apply 2-3 lbs force (9-13 Newtons) in-line with the connector to fully insert each waterproof connector into the unit.