

## **4112 Sensor Maintenance**

### **Sensor Cleaning**

The surface of the sensor may be coated with a film or with a heavy layer of contaminants. This is usually, though not always, evident by visual inspection of the sensor surface. The sensor surface is green in color and normally appears shiny, sometimes iridescent depending on lighting. A good procedure for cleaning the sensor is as follows: Obtain three simple pump spray bottles, Fill the first with a solution of distilled water and mild detergent like Ivory soap. Fill the second with distilled water, and the third with a solution of water and isopropyl alcohol. Spray the sensor directly with the soap solution, and follow that with distilled water spray to rinse it off. Finally a spray of alcohol will help to dry out the sensor quickly. As an alternative to the three bottles, the alcohol alone will often be adequate to clear the sensor of surface contaminants. Avoid touching the sensor surface directly as it is possible to scratch the sensor's top protective layer. If necessary, a soft camel hair brush may be used to help remove surface dirt.

For convenience, the sensor may be removed from the end of the probe before cleaning. The sensor connects to the probe via four gold-plated pins. When reinstalling the sensor assembly, be sure to match up the notch on the sensor assembly housing with the machined flat at the end of the probe.