

*Place a copy of this bulletin in the front of each Blueprints Manual.  
Redline drawings as needed and include a TB reference note.  
Reference TB implementation on site Action Item Box-chart and/or  
site tool history management log.*

**Number:** 107c  
**Date Issued:** 06/09/17  
**Rev C** 01/26/18  
**Expiration Date:** n/a

<b>Subject/Key Words:</b>	➤ <b>Replacement for the Hach® conductivity probes.</b>			
	<del>Random Conductivity Probe Coating Failures</del>			
	<del>Prior conductivity probes and associated hardware no longer supported</del>			
<b>Classification:</b>	<input checked="" type="checkbox"/> Informational	<input checked="" type="checkbox"/> Mandatory	<input type="checkbox"/> Safety Alert	<input checked="" type="checkbox"/> PM Impact
	<input type="checkbox"/> Warranty Impact	<input checked="" type="checkbox"/> Purchase Parts	<input type="checkbox"/> No Charge For Parts expires ___ / ___ / ___. Reference this TB# when ordering NC parts.	
<b>Applicable NAURA Akrion Procedures:</b>	<del>Follow Akrion RMA procedure for all returned parts.</del>			

**Issue:** Premature failure of PFA coated probes manufactured by Hach®.

**Symptoms:** High metals in chemistry; Incorrect concentrations (wrong conductivity capture); Improper conductivity readings; or no visible indications

**Solution:**

- Akrion has qualified a new supplier and released for use in all chemical applications a new PFA conductivity probe, housing, and transmitter as a kit.
- The new kits and probes supersede all prior conductivity system components.
- First time implementation will require the purchase of either of the two following kits that contain the necessary drawings, wiring diagrams, and instructions to install the kit.
  - 244835-001 – KIT CONDUCTIVITY 3/4" UPGRADE
  - 244836-001 – KIT CONDUCTIVITY 1" UPGRADE
- Once the kit has been installed, the probe is the only consumable part.
- The probe preventative maintenance cycles are as follow;
  - Probe Visual Inspection – every 6 months.
  - Probe Replacement – 2 years.
  - 244281-001 - SNSR PFA ENCAP O-RING SEAL TOROIDAL CNDT
  - Update your Preventive Maintenance Manual and Schedule accordingly.
- Hach® conductivity probes will no longer be available through NAURA Akrion Inc.
- Installation of the kits by the NAURA Akrion Inc. service team doubles the warranty period. Please contact your local sales and service representatives to request an installation quote.