

TRM Sensors Hydrocarbon / Brine Sensor Test Report

Date: \_\_\_\_\_ Inspector: \_\_\_\_\_

Facility ID: \_\_\_\_\_

Sensor ID: \_\_\_\_\_

Probe Type: \_\_\_\_\_

Alarm Monitoring Device Type: \_\_\_\_\_

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1. Visual Check of Probe:

Sensor probe free of debris, mud or other contamination?    Y / N

Probe installed at low point for area to be monitored?    Y / N

Area around probe permits free flow of any leaking fluids to probe location?    Y / N

Area around probe free of mud, debris or other obstructions?    Y / N

Note any clean up or other actions taken to mitigate probe installation problems: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. Monitoring Instrument Check:

If monitor instrument is TRM-FLASHER-BE:

Was annual battery replacement completed?    Y / N

Push TEST button on bottom edge of Flasher enclosure

Did FLASHER blink at rate of one flash per second?    Y / N

If not, check wiring and battery conditions and correct as necessary

If monitoring instrument is TRM Relay Unit Type-C ?

Is 12 Vdc supply is present at terminal block ?    Y / N

Is visual /audible/PLC connected to output relay and powered as appropriate?    Y / N

Are zener safety barriers correctly wired and grounded (if installed)?    Y / N

Action taken: \_\_\_\_\_

\_\_\_\_\_

3. Performance Check- Brine:

(NOTE: USE FOR TRM-CB and TRM-CBX ONLY, DOES NOT APPLY TO TRM-CC) (Recommended test fluid is 6% salt water: Prepare locally by dissolving 1 T table salt in 1 qt of tap water)

Immerse bottom 1" of probe in 6 % salt water solution using suitable container.

Did system report leak detection? Y / N

4. Reset Check – Brine:

Lift sensor probe out of 10% salt water solution. Place on paper towel and allow to dry for 30 seconds.

- If monitoring unit is TRM-FLASHER-BE, press reset button on lower edge of enclosure below red lens:

Did TT-FLASHER-BE stop flashing after reset button is released? Y / N

- If monitoring unit is TRM Relay Unit Type-C:

Did output relay return to non-alarm condition? (May be indicated by lack of local audible or visual indicator, if present, or by change of alarm status on PLC or other supervisory system) Y / N

5. Performance Check- Hydrocarbon:

(Recommended test fluid is naphtha: Zippo lighter fluid, Coleman Camp Stove Fuel or similar. DO NOT USE DIESEL, JET FUEL OR CRUDE OIL due to clean up requirement and long reset times)

Immerse bottom 1" of probe in naphtha contained in suitable container.

Did system report leak detection? Y / N

6. Reset Check – Hydrocarbon :

Remove sensor from naphtha, place on paper towel and allow to air dry for 60 minutes. (Note: no harm is done by checking for reset in shorter wait time and most sensor will reset prior to 60 minutes. However, cold ambient temperature or limited ambient air flow may hinder reset.) Do not shake or used forced air.

- If monitoring unit is TRM-FLASHER-BE, press reset button on lower edge of enclosure below red lens:

Did TT-FLASHER-BE stop flashing after reset button is released? Y / N

- If monitoring unit is TRM Relay Unit Type-C:

Did output relay return to non-alarm condition. (May be indicated by lack of local audible or visual indicator, if present, or by change of alarm status on PLC or other supervisory system ? Y / N

**TEST REPORT SUMMARY**

PASS CRITERIA: All questions in inspection and test report must have a “Y” response unless NOT APPLICABLE

Test Item	PASS	FAIL	N/A	Comment
1. Visual Check of probe and installation site				
2. Instrument Check				
3. Brine Response				
4. Brine Reset				
5. Naphtha Response				
6. Naphtha Reset				

OVERALL TEST / INSPECTION RESULT:    PASS   /   FAIL

Comments / Corrective Action Recommendations: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Inspector’s Signature

\_\_\_\_\_  
Date