



IMPORTANT, READ PRIOR TO USAGE

ReSpark Innovations — Chemi-Sense Ferrous Ion Sensor

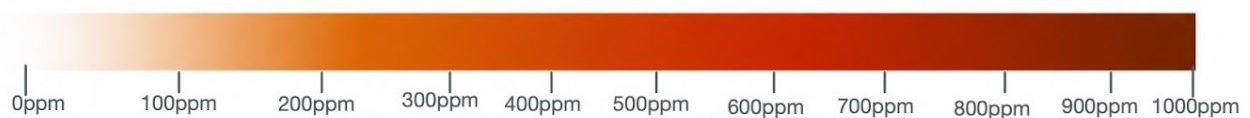
ReSpark Innovations' Chemi-Sense Ferrous Iron (Fe^{2+}) Sensor provides repeatable and reliable estimation of ferrous ion concentration in crude and natural gas water samples directly at the source. Engineered for field testing, the sensor accurately detects **5–1000 ppm** ferrous iron ion levels with results available in **under 5 minutes**, providing **fast, accurate ferrous iron level detection in the field**.

How to Use

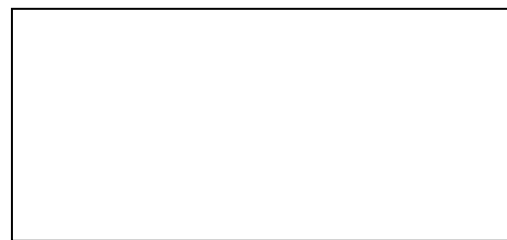
1. Collect a crude, natural gas, or produced water sample, ensuring the presence of some water phase.
2. Put on the glove and place the sensor film in the sample for at least 1 minute.
3. Remove the sensor film and place it in the container the sensor film comes with (dry, contaminant-free) and keep the film in container (container remains open) for about 5 minutes.
4. Match the final sensor film color to the provided calibration color chart below to determine the ferrous concentration of your sample in parts per million (ppm).
5. Place the final sensor film in the empty box below and take a photo using your phone for record/documentation.
6. Ferrous Iron ion (Fe^{2+}) content changes between the origin and ending of a segment of pipe can indicate active internal corrosion.

Note: If necessary, the sensor may be gently wiped clear of any debris or oils using a clean tissue or paper towel before placing it into the provided container.

Ferrous Iron Concentration



(Reference Grey Color for Lighting Correction)



Place final sensor film in the box above for a photo as a record

Reading & Sample taken location (and other notes):