The ARCAgent™ Weld Counter is perfect for manual weld monitoring solutions. The Weld Counter was designed to provide robust, off-the-shelf, real-time monitoring of weld count, weld length (duration), and process parameters (current, voltage, wire feed, gas flow). Missing and Incomplete welds in manual welding operations is a huge problem. The ARCAgent™ Weld Counter is used in many welding facilities to virtually eliminate missing and incomplete welds. The Weld Counter offers 2 monitoring modes to assist with quality assurance through 100% non-destructive testing of every weld on every part.

**Part Tracking™ - Detect Missing/Incomplete Welds**

- **Are ALL your welds present and accounted for?**
  The ARCAgent™ Weld Counter, when integrated with your welding automation, organizes, captures and monitors every arc event to ensure that the correct number of welds was produced on every part. If proper containment procedures are followed, you will not produce missing welds without them being detected by the ARCAgent™.

- **Are ALL your welds performed to the proper length?**
  With minimum arc duration limits, each weld is independently verified to have been welded for a set minimum duration.

You can control missing and incomplete welds in a manual or automated welding process through the real-time monitoring and alarming of total welds and arc duration...aka Part Tracking™.
Set-point Analysis - SPC Limits on Real-time Sensor Averages

- **Are my welds within set upper/lower control limits every time?**
  Do you want to know when your welding process is in or out of control? There are many factors that affect whether a weld is good or bad. The ARCAgent™ via Set-Point Analysis monitors your welding output parameters (average current, voltage, wire feed, gas flow) in real-time to independently verify that all the 'ingredients' of the weld were accurate and stable. Poor equipment maintenance is one of the major causes of welding defects. The ARCAgent™ will notify your staff when your welding equipment and/or process requires maintenance.