

The True Power

Intelligence Integrated

Hamilton Arc revolutionizes the integration of sensors by rethinking communication between sensors, end users and process control systems (PCS). The functionality of a traditional transmitter has been replaced by a microprocessor within the sensors head. Arc sensors communicate directly with the PCS through 4-20 mA standard and digital signals.

Arc sensors offer a fully compensated, converted digital and 4-20 mA signal directly to the process control system.

Fully compensated signal

- ▶ Temperature compensated
- ▶ E.g. Pressure, Salinity

Signal output

- ▶ Digital Modbus
- ▶ 4-20 mA analog
- ▶ Different parameter units (e.g. mV, ppb, %sat....)

The integrated micro-transmitter stores

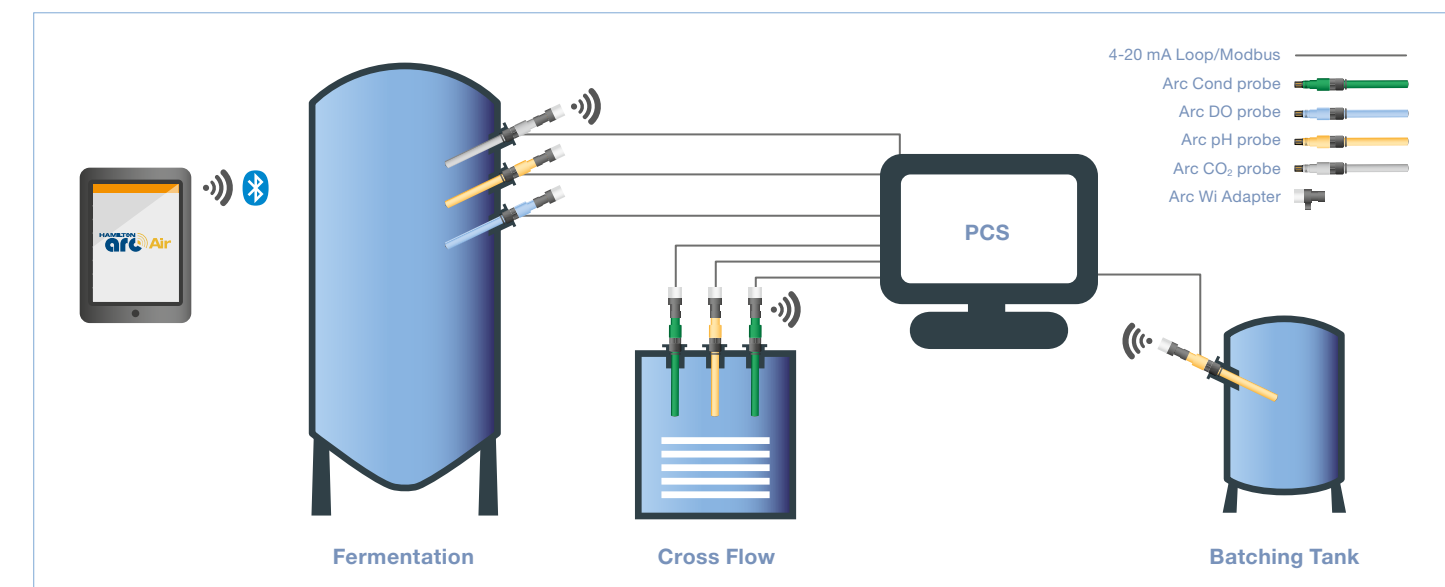
- ▶ Last calibration data
- ▶ Diagnostic information
- ▶ Sensor configuration



Arc Intelligence

Wireless Communication & Calibration

Arc sensors provide full online wireless option for monitoring, configuration and calibration.



Laboratory Calibration

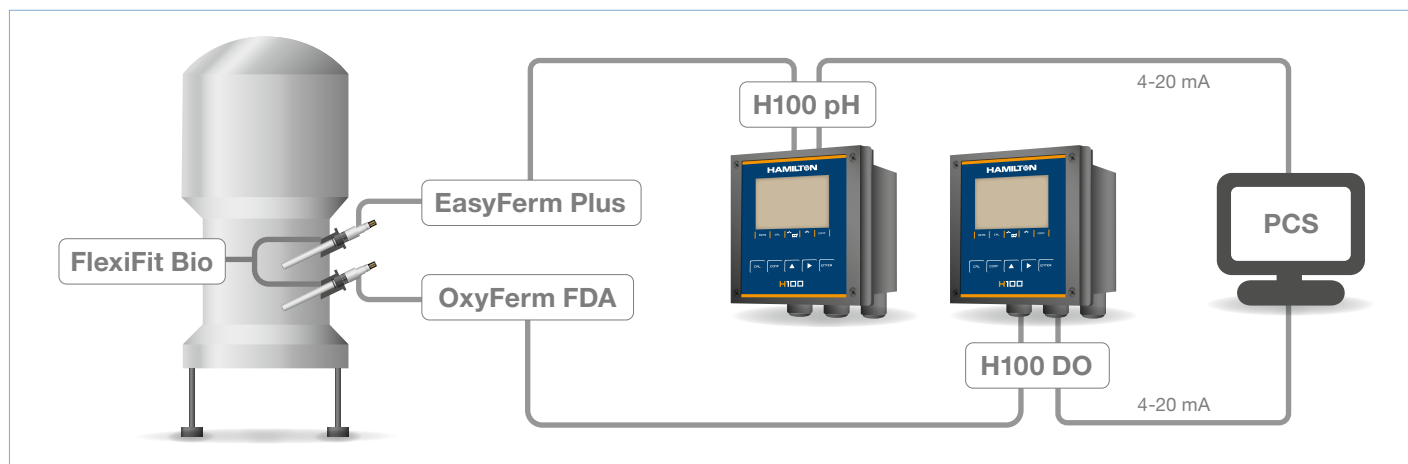


Complete Arc Sensor Portfolio

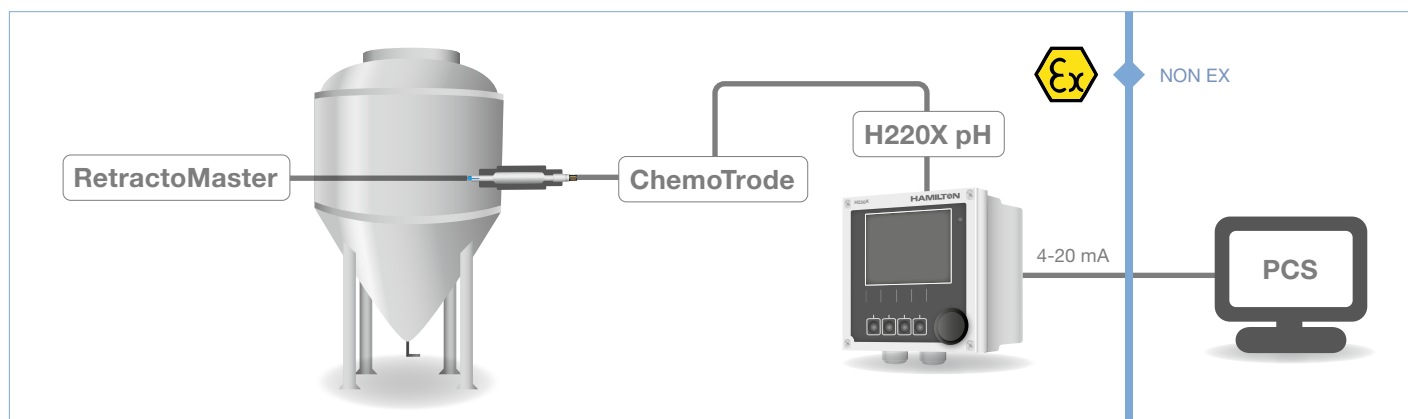


Analog Systems

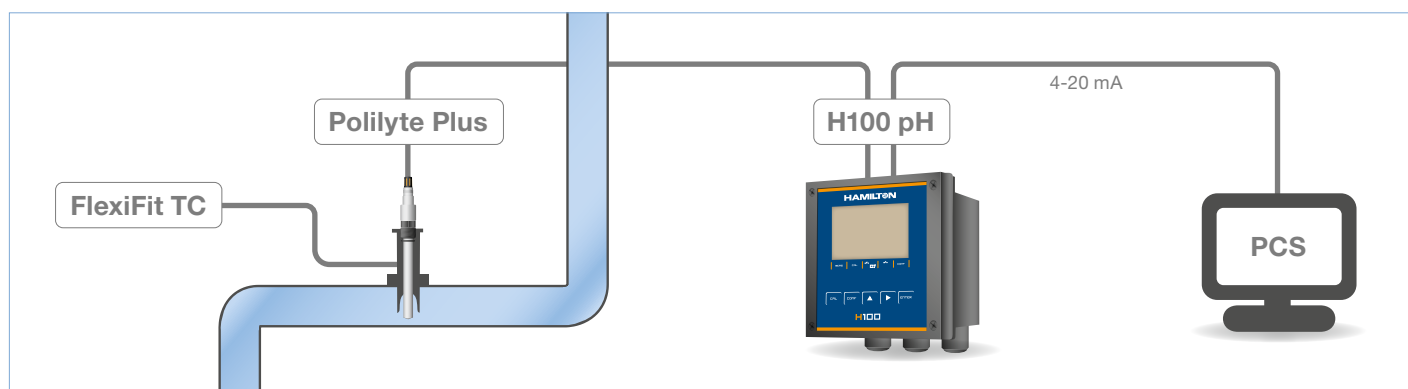
Standard Measuring Loop



Measuring Loop in Hazardous Area

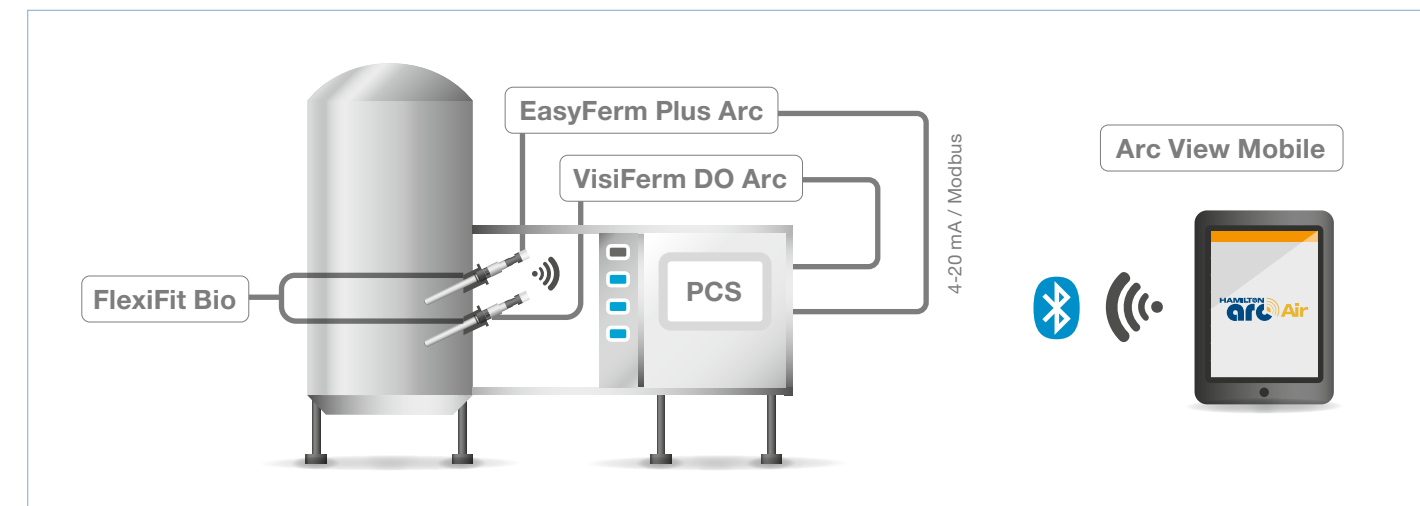


Measuring Loop in Pipe



Arc Systems

Skid System



Arc in R&D

