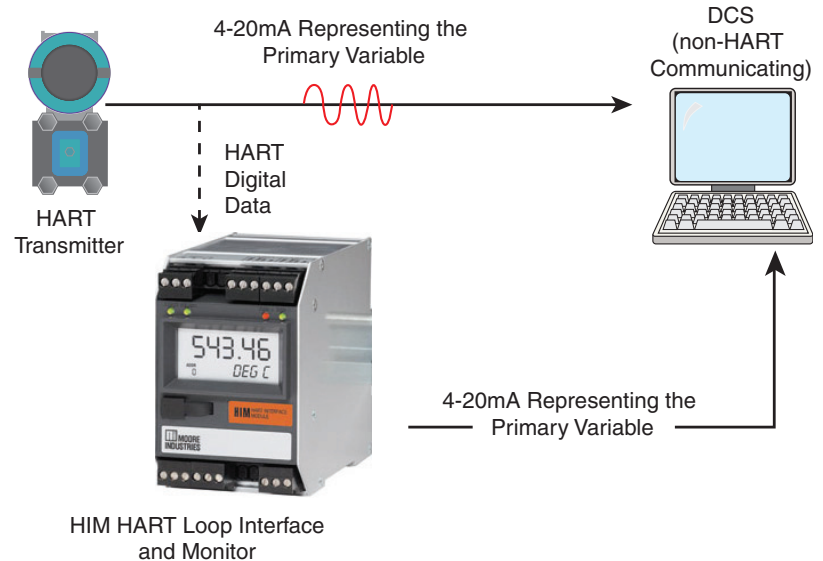


## Smart HART Transmitters, Monitors and Interfaces

### Digital Signal Unaffected by Analog Errors

**Problem:** Sometimes, external influences can cause errors in the 4-20mA signal from my HART transmitters. On a critical loop, I end up with costly product loss. I can use redundant transmitters, but that has its own set of complications. Are there any other options?

**Solution:** The HIM Smart HART Loop Interface and Monitor reads only the digital data and is unaffected by the 4-20mA errors. Assign the HIM output to the primary variable. Let the DCS compare this signal to the transmitter signal and, if they don't agree, set an alarm to fix the problem before production is lost.



**Model Number Example**  
HIM / HART / 2AO / 24DC [DIN]

**[Go to Smart HART Transmitters, Monitors and Interfaces Selection Guide](#)**