When you need to interface field processes with computer-based systems, readout equipment, and other instrumentation... our technology, services and expertise help you do it efficiently, safely and cost-effectively.

**Signal Transmitters, Isolators and Converters**

Convert, isolate, split, boost and step down process signals so field instruments can interface directly with indicators, recorders, DCS, PLC and PC-based SCADA systems.

**I/P and P/I Converters**

Convert a current signal to a pneumatic signal so a DCS, PLC or PC can control a valve or actuator; or convert pneumatic signals to current signals so remote pneumatic devices can interface with electronic instruments and computer-based monitoring systems.

**Indicators and Displays**

Take a process input signal from a transmitter loop and view real-time process status in rugged and hazardous field environments.

**AC Power Transducers and Monitors**

Schedule maintenance, identify inefficiencies, cut energy use and prevent expensive damage to a load device by accurately monitoring AC power use.

**Temperature Sensors, Transmitters and Assemblies**

Take a weak, low-level RTD or thermocouple signal and convert it to a high-level analog signal more suitable for long-distance transmission through a noisy plant, and ready for direct interface with an indicator, recorder, PLC, DCS or PC-based SCADA system.

**Smart HART® Loop Monitors and Interfaces**

Break out analog and discrete process, status and diagnostic signals from smart multivariable transmitters and valves; monitor critical and safety-related loops; prevent costly false shutdowns; and warn of unwanted process or instrument fault conditions.

**Functional Safety - IEC 61508**

Monitor, alarm or shutdown critical and hazardous processes, measure critical temperatures, isolate a Safety Instrumented System (SIS) loop while passing HART data, or split critical signals while passing HART data.

**Limit Alarm Trips and Switches**

Provide on/off control, warn of trouble, or provide emergency shut-down by sending one or more alarm (relay) outputs when a monitored process signal falls outside of a selected high and/or low limit.

**Process Control and Distributed I/O Networks**

Eliminate expensive point-to-point wires by sending just a few—or thousands of—process monitoring and control signals between the field and control room on one digital communication link.

**Fieldbus Device Couplers and Power Supplies**

Deliver a fast and easy way to connect, protect, power and terminate multiple fieldbus devices in FOUNDATION fieldbus™ and PROFIBUS PA segments.
Signal Interface Instruments Enhance Monitoring/Control Systems

Analog, Smart HART®, FOUNDATION Fieldbus™ and PROFIBUS Temperature Transmitters

Current/Voltage 4-20mA with HART®

4-20mA HART® Fieldbus PROFIBUS

4-20mA with HART

Pneumatic I/P and P/I Converters

RTD Thermocouple Ohm Millivolt

Monitoring/Control System

HTTP - Web Server
MODBUS/TCP
MODBUS RTU
MODBUS Master

Alarm Trips

Current, Voltage, RTD, Thermocouple, HART® (Safe Area or Associated Intrinsically-Safe Inputs)

Functional Safety - IEC 61508/61511 Safety Instrumented Systems (SIS)

4-20mA

Relay

Analog Output or Relay

4-20mA

Process Control and Distributed I/O Networks

Current, Voltage, RTD, Thermocouple, Resistance, Potentiometer, Discrete and Relay I/O

Smart HART® Multivariable Transmitters and Smart Valves

Up to Three 4-20mA Relays MODBUS RTU

Process Controllers, Monitors and Backup Stations

Indicators and Displays

4-20mA with HART®

Relay

FOUNDATION fieldbus™ PROFIBUS PA

MooreHawke Fieldbus Device Couplers and Power Supplies

I/P and P/I Converters

Current, Voltage, RTD, Thermocouple

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The latest innovations in monitoring and control interface solutions are just a click away.

Everything you need to find signal interface instruments fast!

Take a tour of our new website! You will find new and crisp landing pages with easy to navigate menus that allow you to find what you need quickly and efficiently. Explore our Interface Solution Download Center where you will find relevant data for each of our products on one page!