Каталог продукции
Moore Industries

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Тула (4872)74-02-29
Уфа (347)229-48-12
Ярославль (4852)69-52-93

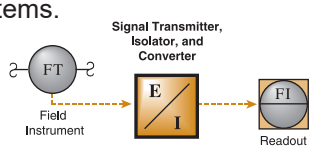
Эл. почта: mpr@nt-rt.ru || Сайт: http://moore.nt-rt.ru/

Interface Solution Line Card

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.

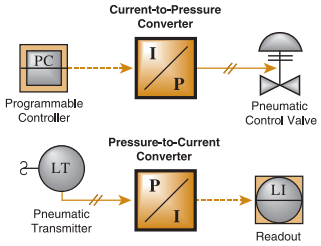
Signal Transmitters, Isolators and Converters

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

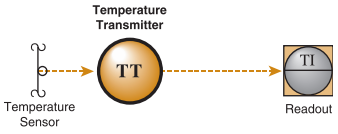
Take a process input signal from a transmitter loop and view real-time process status in rugged and hazardous field environments.

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.

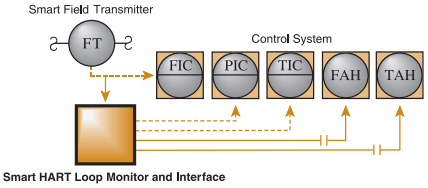
Temperature Sensors, Transmitters and Assemblies

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.



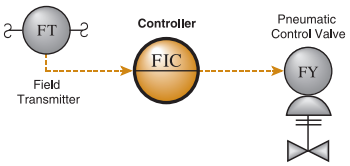
Smart HART® Loop Monitors and Interfaces

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.



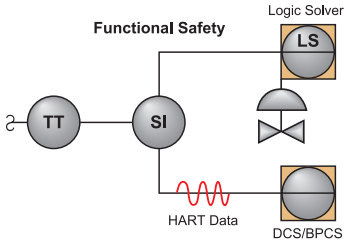
Process Controllers, Monitors and Backup Stations

Precisely control and monitor a temperature, pressure, level or flow process variable in batch and continuous processes, or back up critical or safety-related loops controlled by PLC, DCS and PC-based systems.



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.

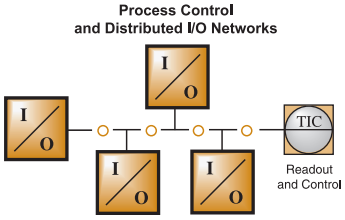


Limit Alarm Trips and Switches

Provide on/off control, warn of trouble, or provide emergency shutdown 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

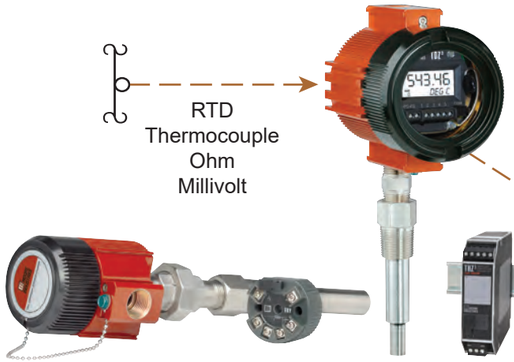
Eliminate expensive point-to-point wires by sending just a few–or thousands of–process monitoring and control signals between the field and control room on one digital communication link.



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.

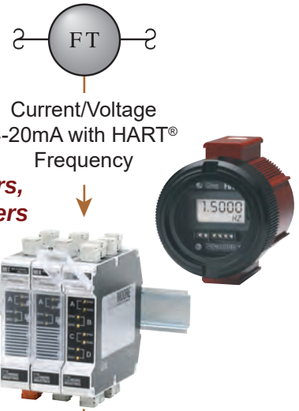
Signal Interface Instruments Enhance Monitoring/Control Systems



RTD
Thermocouple
Ohm
Millivolt

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

4-20mA
HART®
Fieldbus
PROFIBUS



Current/Voltage
4-20mA with HART®
Frequency

Signal Transmitters, Isolators, Converters and Splitters

4-20mA
4-20mA with HART®

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

4-20mA
4-20mA with HART

Relay

Alarm Trips

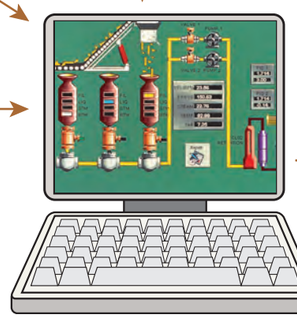
Relay

Analog Output
or Relay

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

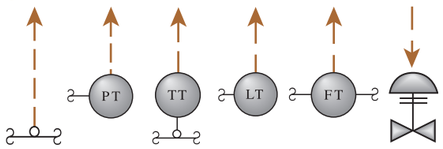
Process Control and Distributed I/O Networks

HTTP - Web Server
MODBUS/TCP
MODBUS RTU
MODBUS Master



Monitoring/ Control System

4-20mA

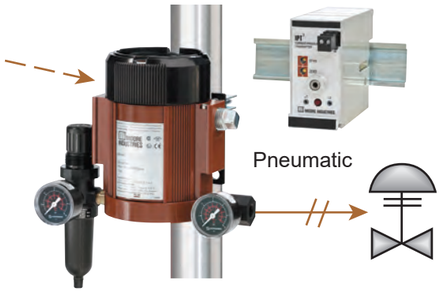


Current, Voltage, RTD, Thermocouple,
Resistance, Potentiometer,
Discrete and Relay I/O

Up to Three
4-20mA
Relays
MODBUS RTU

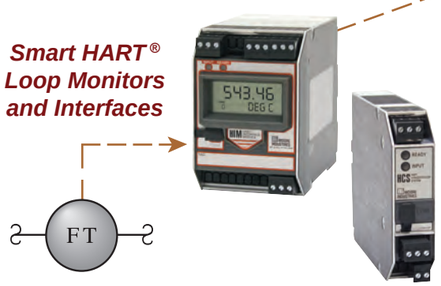
Relay

FOUNDATION fieldbus™
PROFIBUS PA



Pneumatic

I/P and P/I Converters



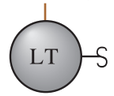
Smart HART® Loop Monitors and Interfaces

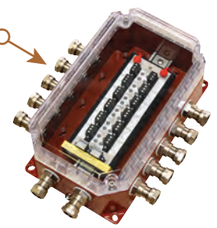
Smart HART® Multivariable
Transmitters and Smart Valves

Process Controllers, Monitors and Backup Stations

Indicators and Displays

Current,
Voltage,
RTD,
Thermocouple





MooreHawke Fieldbus Device Couplers and Power Supplies

* All product names are trademarks of their respective companies.
* HART is a registered trademark of the HART Communication Foundation.

FS FUNCTIONAL SAFETY SERIES

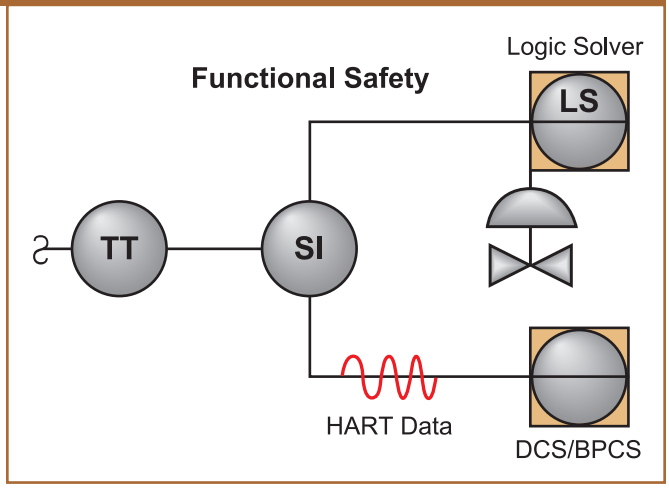
IEC 61508/61511 Solutions Line Card

Functional Safety Dual Input Smart HART Temperature Transmitter • Functional Safety Programmable Trip Alarm • Functional Safety Relay Module • Functional Safety HART Enabled Signal Isolators and Splitter

Functional Safety Solutions for Your Safety Instrumented System

Our FS Functional Safety Series instrumentation gives you layers of protection that reduce risk and deliver reliable performance when you need it most.

- Designed and built from the ground up for use with confidence in your Safety Instrumented System (SIS)
- Full third-party certification to IEC 61508 eases burden of proven in use on unapproved products
- SIL 2 and SIL 3 capable product family designed to meet your safety loop instrumentation needs
- Operating temperature range of -40 to 85°C for the most demanding environments

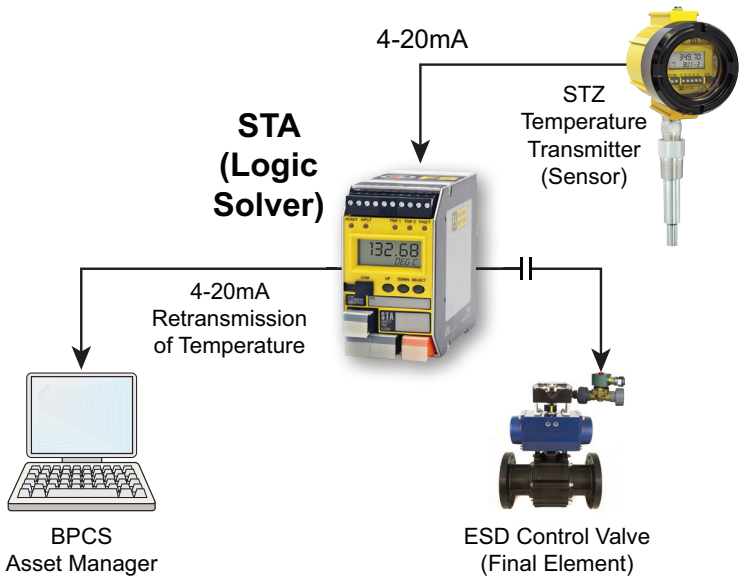


STA Functional Safety Trip Alarm

The exida® certified SIL 2/3 capable STA Safety Trip Alarm performs as a logic solver and acts on potentially hazardous process conditions in your SIS. The STA models accept a signal input from transmitters, temperature sensors and a wide array of other monitoring and control instruments.

Features

- Dual process alarms, one fault alarm
- Site-programmable with password protection
- Combined alarm trip and transmitter
- Large 5-digit process and status readout



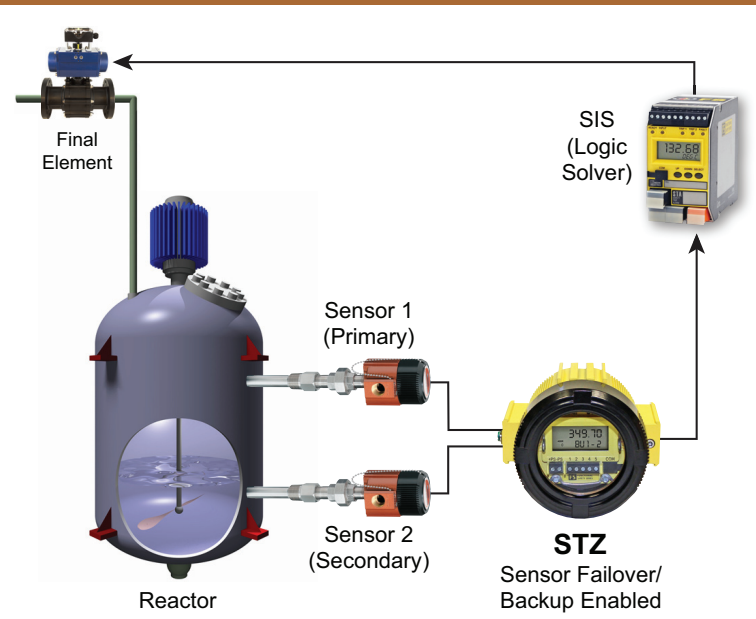
STZ Functional Safety Dual Input Smart HART® Temperature Transmitters

The exida certified SIL 2/3 capable STZ Dual Input Smart HART® Temperature Transmitters were designed from the ground up for use in your SIS. The STZ configures quickly and easily to accept a single or dual input from a wide array of sensors and analog devices.

Features

Dual Sensor Input means expanded measurement capability, protection and diagnostics:

- Backup and fail-over protection
- Average and differential measurement
- High-select and low-select
- FDT/DTM or HART DD configurable
- HART configuration includes a read-only or off mode for added security



Advanced Diagnostics & Configuration

- Sensor drift and corrosion detection
- Smart range alarms
- High availability option

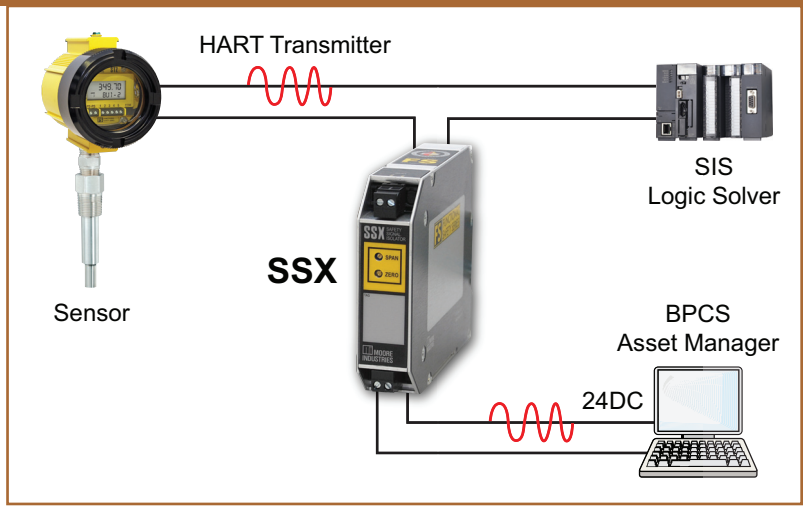
FS FUNCTIONAL SAFETY SERIES

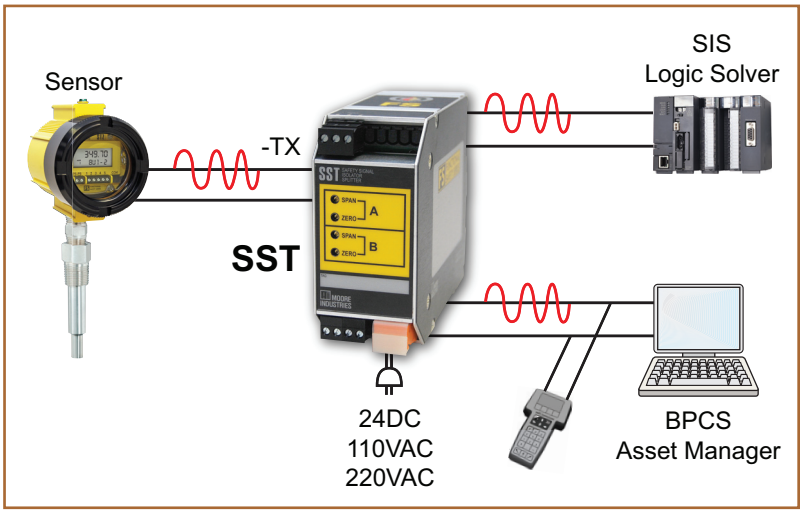
IEC 61508/61511 Solutions Line Card

SSX and SST Functional Safety Isolators and Splitter

These exida® certified SIL 2/3 capable 2-wire and 4-wire Isolators and Splitter provide isolation and signal splitting for your SIS needs.

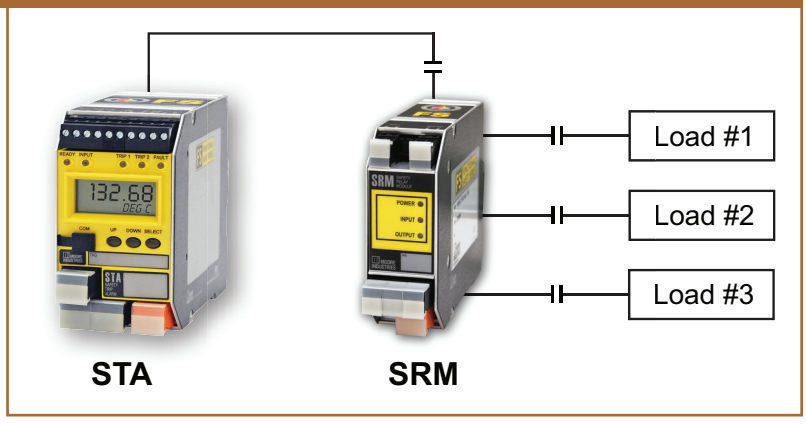
These units protect and enhance loops and also pass valuable HART® data from the field transmitter to host systems and vice-versa. They isolate your SIS from your Basic Process Control System or monitoring system so disconnections or failures to these secondary systems don't affect your safety system.





SRM Functional Safety Relay Module

The exida® certified SIL 2 capable SRM Safety Relay Module provides a high level of availability for safety-critical applications within your SIS. The SRM is a relay repeater that accepts a single contact closure input from a logic solver, such as the STA Safety Trip Alarm, and provides three relay outputs per alarm input. This allows you to simply and cost effectively add additional alarm contacts to your safety system.

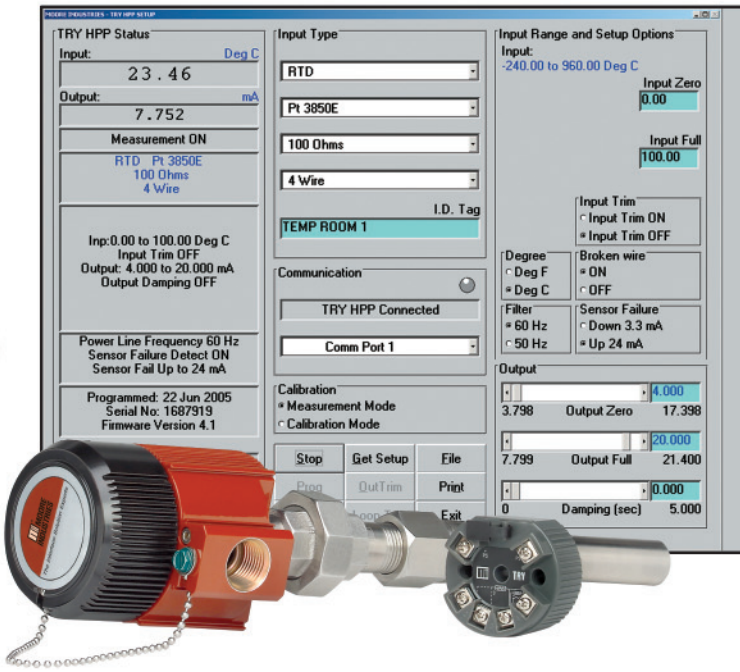


Temperature Solutions Line Card

We're Your One Stop Temp Shop

One simple model number is all it takes to order our complete, **Ready-to-Install Temperature Assemblies**. They include your choice of:

- **Universal PC-Programmable, Smart HART® and Fieldbus Temperature Transmitters**
- **The unique "WORM" Flexible and Straight RTD and Thermocouple Sensors**
- **General, Hazardous Area and Explosion-Proof/Flameproof Connection Heads and Enclosures**
- **A Wide Array of Thermowells, Flanges and Fittings**
- **Worldwide Hazardous Area Safety Certifications**
- **Funtional Safety IEC 61508 exida Certification**

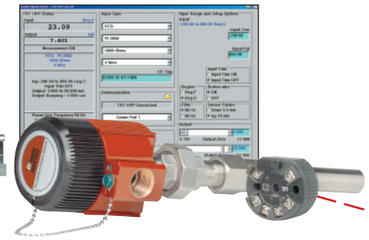


Temperature Solutions Line Card

Universal Intelligent Temperature Transmitters

TRY, TRX & TDY
2-Wire, PC-Programmable Temperature Transmitters With and Without Display

RTD
Thermocouple
Ohm
Millivolt



THZ³ & TDZ³
2-Wire, Smart HART® Dual Input Temperature Transmitters With and Without Display

4-20mA HART®

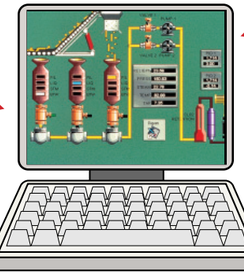
STZ & STA
Functional Safety IEC 61508 Temperature Transmitters and Combination Temperature Transmitter and Alarm

4-20mA HART®

RIY, TIY & SPT
2-Wire & 4-Wire Site-Programmable Temperature Transmitters With Display

4-20mA

4-20mA



Analog Output or Relay

Relay

SPA²
Combination Universal Temperature Transmitter and Alarm

Current, Voltage, RTD, Thermocouple, HART®

MODBUS® RTU (RS-485)

TMZ
4-Wire, MODBUS® Temperature Transmitter

Ethernet MODBUS® OPC

NCS
NET Concentrator System® Intelligent Process Control and Distributed I/O

HART® MODBUS®

FOUNDATION Fieldbus™ PROFIBUS

TFZ & TPZ
FOUNDATION Fieldbus™ PROFIBUS Temperature Transmitters With Display

Capabilities

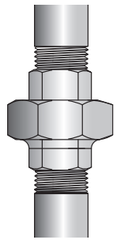
- Input-to-output analog accuracy of up to ±0.014°C (±0.025°F) is the absolute best in the industry
- RTD (2-, 3- and 4-wire; Pt, Cu, Ni), thermocouple (J, K, E, T, R, S, N, C, B), mV and ohm inputs
- –200 to +2300°C (–328 to +4172°F) ranges
- Long-term stability delivers up to 5 years between calibrations
- Analog, HART, MODBUS, FOUNDATION Fieldbus, PROFIBUS and Ethernet outputs
- PC-, HART- and fieldbus, Ethernet site-programmable models
- Real-time process readout on large integral displays
- 2-wire (loop-powered), 4-wire (line-powered) and universal powered models
- Isolated, linearized and RFI/EMI protected
- Patented “Total Sensor Diagnostics” speeds troubleshooting
- DIN-rail, surface, relay track, pipe and explosion-proof/flameproof
- Ready-to-install assemblies with sensor, transmitter, thermowell, fittings and well head

Temperature Solutions Line Card

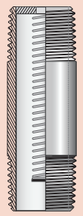
Complete, Ready-to-Install Temperature Assemblies

Process Connections

Nipple, Union, Spring-Loaded Fitting



Spring-Loaded Fitting



Fluid Seal Fitting

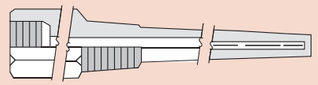
We're Your One Stop Temp Shop
One simple model number is all it takes to order our complete, **Ready-to-Install Temperature Assemblies**.

All you have to do is install them into your process, connect a couple of loop wires and you're in business.

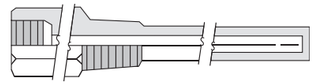
Thermowells

Stainless Steel 304, 316, 310 and 446; Brass; Carbon Steel (others available)

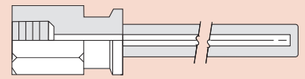
Heavy-Duty, Threaded, Tapered Thermowells



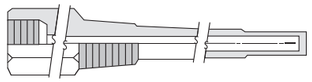
Standard-Duty, Threaded, Straight Thermowells



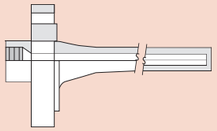
Sanitary Thermowell



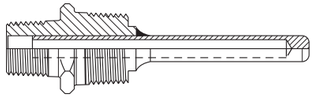
Standard-Duty, Threaded, Stepped Thermowells

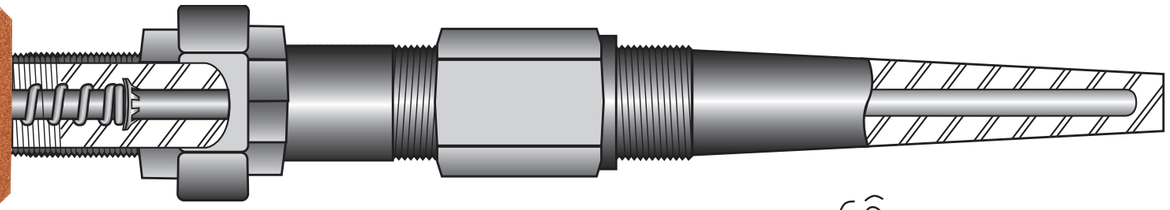


Flanged Thermowells



Protection Tube





General and Hazardous Area Connection Heads and Enclosures

DH
Dual-Sided Explosion-Proof/ Flameproof

LH
NEMA 4X (IP66) Explosion-Proof/ Flameproof

BH
Explosion-Proof/ Flameproof

SB
Stainless Steel NEMA 4X (IP66) Explosion-Proof/ Flameproof

D-Box
NEMA 4X (IP66)

CH19
Stainless Steel NEMA 4

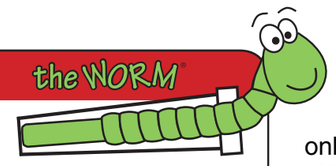
CH6
Polypropylene NEMA 4

R-Box
NEMA 4X

I-Box
Surface Mount

Temperature Sensors

RTD (2-, 3- and 4-wire; Pt, Cu, Ni)
Thermocouple (J, K, E, T, R, S, N, C, B)



"the WORM®" Flexible Sensors

Straight Sensors

Fixed Immersion Probe Sensors

Sanitary Sensors

Class "A" Temperature Sensors

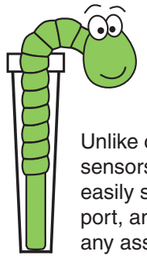
Moore Industries provides only the most accurate Class "A" sensors. Each sensor is temperature cycled for 1000 hours, at 0°C and 600°C, to ensure each meets our precision requirements.

After passing this test, the sensors are assembled into a sensor sheath, and cycled again to pass a conformity test.

This process allows the sensor to achieve a stable resistance and maintain its coefficient accuracy over a greater lifetime after final assembly.

Temperature Solutions Line Card

"the WORM® " Flexible RTD and Thermocouple Sensors



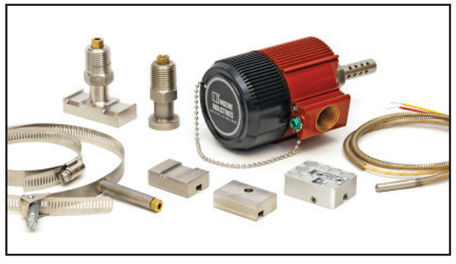
The standard for our temperature assemblies, this versatile, spring-loaded, flexible sensor trims-to-length, providing quick and easy installation.

Unlike conventional sensors, such as straight sensors, the WORM's flexible design allows it to easily slide right through the connection head port, and into the assembly, without removing any assembly components.

Ready-to-Install Temperature Assemblies for Surface Measurements

Featuring our innovative WORM Flexible Temperature Sensor, these versatile temperature assemblies mount directly to tanks, pipes, motors, compressors, reactors or anywhere else a skin (surface) temperature measurement is needed.

Precise engineering and solid, sturdy construction allow these assemblies to endure the harshest plant conditions and field environments.



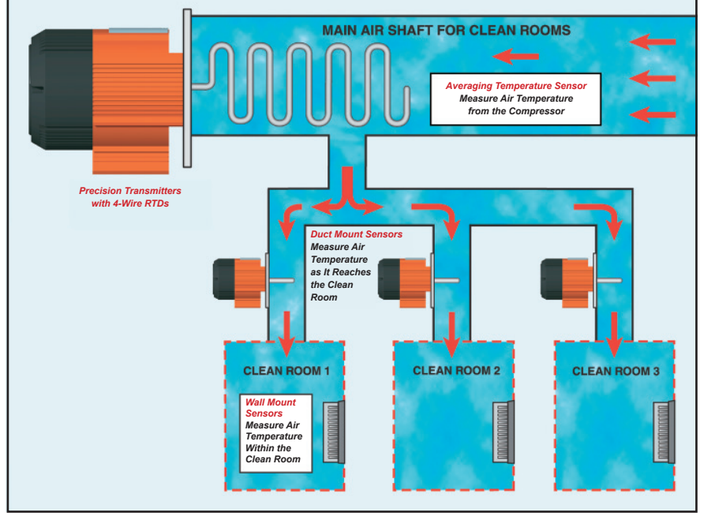
High-Accuracy Factory Calibration Services

When applications demand exceptional accuracy, our Sensor-to-Transmitter Trimming provides measurement accuracy up to an amazing ±0.014°C (±0.025°F).

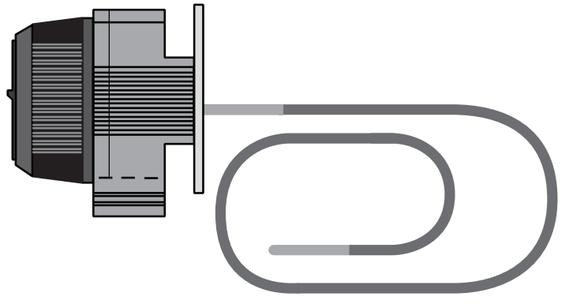
Performed in our state-of-the-art "Calibration Suite", high accuracy factory calibration assures that our sensor and transmitter combinations work together to deliver exceptionally precise measurements.

Sensor-to-Transmitter Trimming

High Accuracy Clean Room Temperature Monitoring



Surface-Mount Air Duct Average Temperature Monitoring System



Wall/Duct Mount Temperature Assembly for Monitoring Cleanrooms & Air Ducts

Temperature Monitoring Solutions for Hi-Tech Facility and Process Control

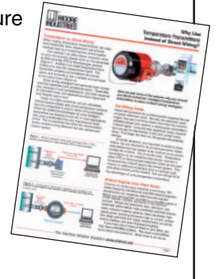
In numerous hi-tech applications such as semiconductor, micro-electronics, pharmaceuticals and biotech, maintaining stable facility and process temperature conditions is a primary factor for on-spec product and predictable yields.

Moore Industries' Hi-Tech Solutions reliably monitor ambient and process temperature conditions in manufacturing operations, machine tools, cleanrooms, laboratories, storage and production facilities.

Wall-Mount Room Air Temperature Monitoring System

"Why Use Temperature Transmitters Instead of Direct Wiring?"

Running temperature sensors directly to your DCS or PLC seems cheaper, but in the long run (especially with long sensor runs), is it really? Learn how to save time and money using transmitters.



Ask for a copy of this white paper.

*The WORM is a registered trademarks of Moore Industries-International, Inc.

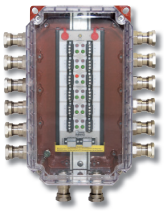
Temperature Solutions
Line Card

Functional Safety Series

The ***FS Functional Safety Series*** products are exida certified, SIL 3 capable, and designed for use in your Safety Instrumented System (SIS). In addition to the STZ Functional Safety Temperature Transmitters and STA Safety Trip Alarm/Logic Solver, the line also includes SSX/SST Functional Safety Isolators and Splitter, and SRM Functional Safety Relay Module.

Complementary Temperature Solutions

MooreHawke ***Fieldbus Device Couplers and Power Supplies*** deliver a fast and easy way to connect, protect, power and terminate multiple temperature transmitters in FOUNDATION fieldbus™ and PROFIBUS PA segments.



Combination ***Limit Alarm Trip/Transmitter*** instruments reduce costs when both temperature alarming and monitoring functions are needed at the same location.

Featuring a NEMA 4X front panel and extra-bright display, our ***Process Controllers*** control and monitor a temperature process variable in batch and continuous processes.

Our industry-first ***HART Interfaces and Monitors*** unlock the full potential of HART transmitters by allowing up to three additional measurements from a smart transmitter with no additional process penetrations or wiring.

Worldwide Hazardous Area Safety Certifications

Our commitment to quality extends to individual products.
Our instruments hold hundreds of approvals.

Explosion-Proof/Flameproof
Intrinsically-Safe: 'ia' and 'ib'
exida Certified to IEC 61508 and SIL 3 Capable
Non-Incendive/ Type 'n'
Increased Safety 'e'
Encapsulation 'm'
General Location/ EU Directives

ANZEx **IECEx**

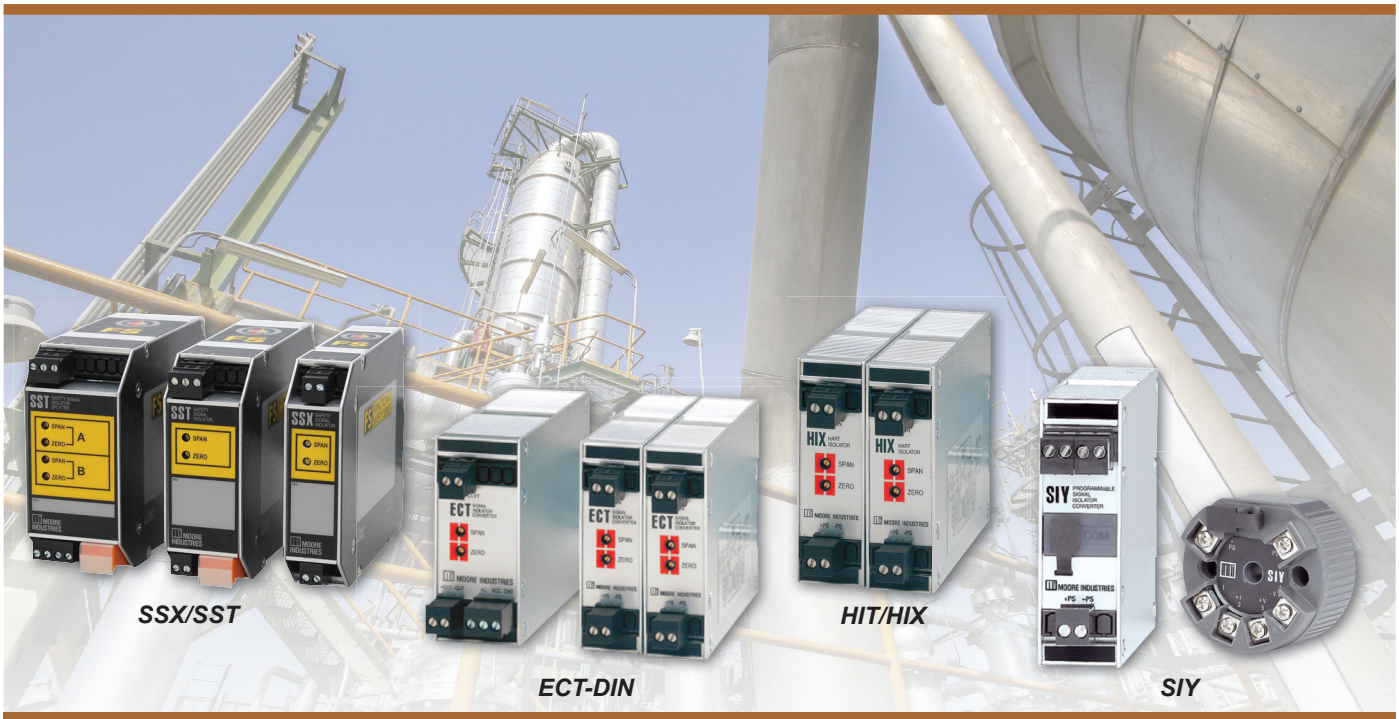
ISO 9001 Registered

Our ISO 9001 certification is verified evidence that every aspect of our company, from product conception to after sales support, is part of a carefully planned and implemented quality system.

U.S.A. 10002565 QM08 — ISO 9001: 2008

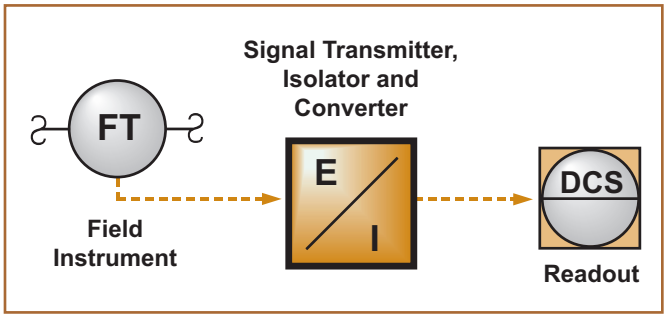
UNITED KINGDOM FM 13498 — ISO 9001: 2008

Signal Transmission, Isolation and Conversion Solutions Line Card



Signal Transmitters, Isolators and Converters Protect your Process Loops and Controllers

Moore Industries Signal Isolators, Converters and Splitters protect your process by converting, isolating, splitting, boosting and stepping down process signals so field instruments can interface directly with indicators, recorders, DCS, PLC, Asset Management, Control and SCADA systems. With a wide variety of products, you'll be able to find the right one to fit your signal isolation or conversion needs.



Our Signal Isolators and Converters:

- **Isolate signals** to stop erroneous measurements caused by ground loops.
- **Convert signals** so field instruments can interface directly with an indicator, recorder, DCS, PLC, Asset Management, Control and SCADA system.
- **Isolate and protect Safety Instrumented Systems (SIS)** loops by using exida® approved SIL capable and HART pass-thru isolators.
- **Split one signal** to allow one primary measurement to be sent to two separate systems.
- **Protect equipment and signals (area isolation)** by eliminating common electrical paths.
- **Amplify signals** so that more instruments can be added to an overburdened loop.
- **Solve "bucking" power supplies** by stopping a conflict caused by a 4-wire transmitter and a DCS both trying to power the same process loop.
- **Solve DCS start-up problems** caused by non-isolated transmitters by installing an isolator in

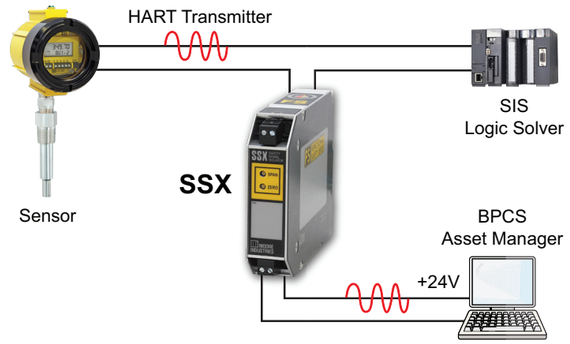
Signal Transmission, Isolation and Conversion Solutions Line Card

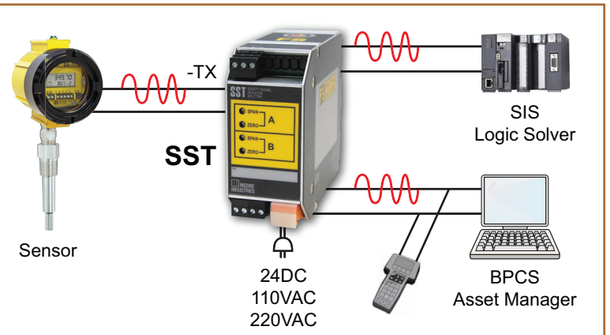
SSX and SST Functional Safety Isolators and Splitters

2014 WINNER

These exida® certified SIL 2/3 capable 2-wire and 4-wire Isolators and Splitter provide isolation and signal splitting for your Safety Instrumented Systems (SIS) needs.

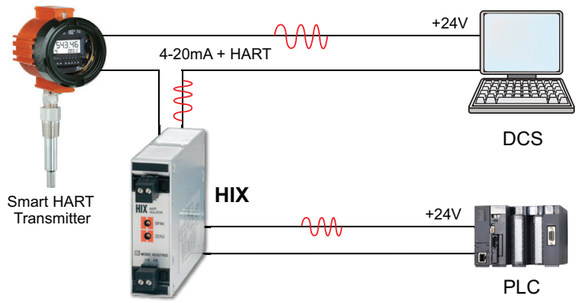
These units protect and enhance loops and also pass valuable HART® data from the field transmitter to host systems and vice-versa. They isolate your SIS from your Basic Process Control System or monitoring system so disconnections or failures to these secondary systems don't affect your safety system.





HIX/HIT 2- and 4-Wire HART® Isolators

HIX/HIT HART® Isolators provide highly economical solutions to common and costly problems that plague many of today's "smart" process loops. Protect and enhance your HART investment with the 2-wire (loop powered) HIX or the 4-wire (line-mains powered) HIT.



Features

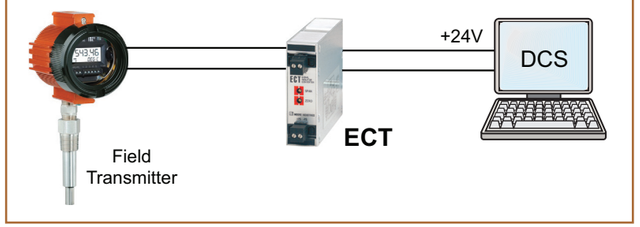
• **Isolates while passing valuable HART diagnostic and process data** from your smart HART field device and your control or asset management system.

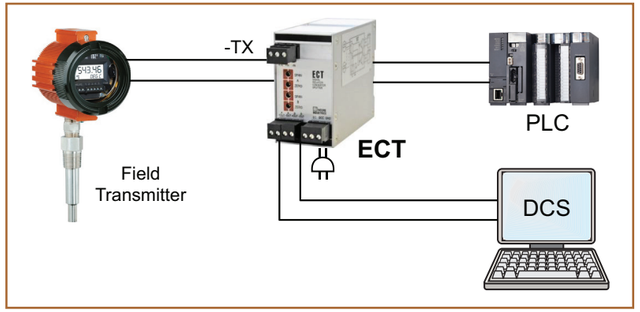
• **Perform equipment maintenance** without loop downtime with area isolation. The passive input on the input side of the HIX allows the output side devices or loop to be taken off-line or worked on without disrupting the DCS or primary side of the control loop.

• **Standardize on HART capable isolators.** Stock HART isolators and be free from worry over whether your isolator needs to interface with a HART or non-HART loop. Standard isolators block the HART signal and don't allow hand-held or asset managers to communicate with your HART field device.

ECT-DIN 2- and 4-Wire Signal Isolators, Converters, Repeaters and Splitters

ECT DIN-style signal isolators, converters, repeaters, boosters and splitters are rugged and reliable and available in 2-wire (loop) and 4-wire (line/mains) powered models. The complete family delivers economical solutions for an expansive range of signal interface applications.





Features

• **Superior signal isolation (up to 1500Vrms).** Industrial-strength protection stops ground loops, motor noise, and other electrical interferences from affecting process signals.

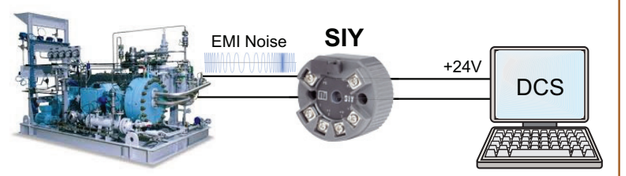
• **Amplify (boost) signals** so that more instruments can be added to an overburdened loop.

• **Split process signals,** send two isolated signals to two separate locations.

• **Get two isolators in one.** The ECT is available in dual channel I/O models that provide application flexibility while reducing space requirements and costs.

SIY 2-Wire PC-Programmable DIN and Field-Mount Signal Isolators and Converters

The SIY combines smart digital technology with advanced analog operation to deliver superior reliability, accuracy, and ease of use. The highly versatile SIY programs to accept a wide range of current or voltage inputs. It outputs an isolated, proportional, 4-20mA signal. As a flexible analog/digital hybrid, this 2-wire (loop-powered) transmitter programs in seconds with easy to use free software to handle a wide range of important signal interface applications.



Features

• **Wide range of signal input choices.** The SIY handles the majority of current/voltage interface applications you are likely to encounter.

• **PC-programmable with Windows® software.** From a single screen, you can choose and then view to confirm, all of your application specific operating parameters from a PC.

• **HPP housing available** for field-mount applications requiring intrinsically-safe, explosion-proof and flameproof approvals.

• **Fast measurement cycle.** Delivering an output update up to eight times per second, you'll get analog speed combined with digital versatility.

All Isolators Feature:

- **Standard 20v/m RFI/EMI protection:** Special circuit and enclosure designs protect against the harmful effects of radio frequency interference (RFI) and electromagnetic interference (EMI).
- **Rugged housing:** All instruments are available in an aluminum DIN style housing that is more rugged and durable than isolators housed in a plastic case. The aluminum housings also act as a heat sink for those demanding high temperature applications where plastic housings under perform.
- **Long-term stability:** Provides up to 5 years between scheduled calibrations.

Certificates Include (vary by product):

- **CSA:** Canadian Standards Association
- **CE:** Conformité Européenne
- **UL:** Underwriters Laboratories
- **FM:** Factory Mutual Research
- **ANZEx:** Australian & New Zealand Program for the Certification of Equipment for Explosive Atmospheres

More Signal Transmitters, Isolators and Converters

MIX and MIT miniMoore 2-Wire and 4-Wire Multi-Channel Signal Isolators and Converters
Featuring a very narrow installation footprint, the reliable and economical mini**MOORE™** combines multiple analog signal channels in a single signal conditioner. This multi-channel family includes the MIX 2-wire (loop-powered) and the MIT 4-wire (line/mains-powered) models.

Features:

- Multi-channel – Two or four isolators per DIN-rail housing.
- Removable terminals.
- Input impedance: 50 ohms for current; 1Mohms for voltage.

CPT 4-Wire PC-Programmable Signal Isolator and Converter
The universal CPT is a 4-wire (line/mains-powered) PC-Programmable Temperature Transmitter and Signal Isolator/ Converter that provides an isolated and linear current or voltage output (any range within 0-20mA or 0-10V) proportional to the input. The signal is ready for direct interface with readout instruments, recorders, PLC, DCS, Control or SCADA systems.

Features:

- **Accepts direct input from a wide array of sensors and analog devices:** 23 RTD Types, 9 Thermocouple Types, Current and Voltage Signals, Resistance and Potentiometer Devices and Direct Millivolt Sources.
- **User-selectable failure mode:** Upon input failure, the CPT's analog output can be user-set for upscale or downscale drive, fail to last value, or fail to selected value.
- **Combined alarm trip and transmitter:** The alarm trip option reduces costs and installation time when both transmitter and alarm functions are needed at the same location.

SIX 2-Wire Signal Isolator, Converter and Repeater
The versatile SIX can be used as a signal isolator, converter, and repeater. Ideal for installation in the plant and control room, the 2-wire (loop-powered) SIX derives its power from the process loop, eliminating the need to install an additional power supply.

Features:

- **Repeater/diverter:** Increase drive capability to a process loop, allowing installation of additional instruments on the loop. Diverts a secondary signal from a process loop to a recorder, indicator or other similar device.
- **Low current impedance/high drive capability:** Exceptionally low 50 ohms (for 4-20mA input) impedance doesn't load existing loops and regenerates the signal.

FCT 4-Wire Field-Configurable Signal Isolator and Converter
The FCT can be used as a signal isolator, converter and/or repeater. Features field-configurable input and output parameters, and universal power input.

Features:

- **Configurable inputs and outputs.** Easily field-configured to accommodate all common input and output signal types (4-20mA, 1-5V, 0-10V, etc.)
- **Powers a 2-wire transmitter.** Transmitter excitation is standard on all universal (PRG) input/output FCTs.

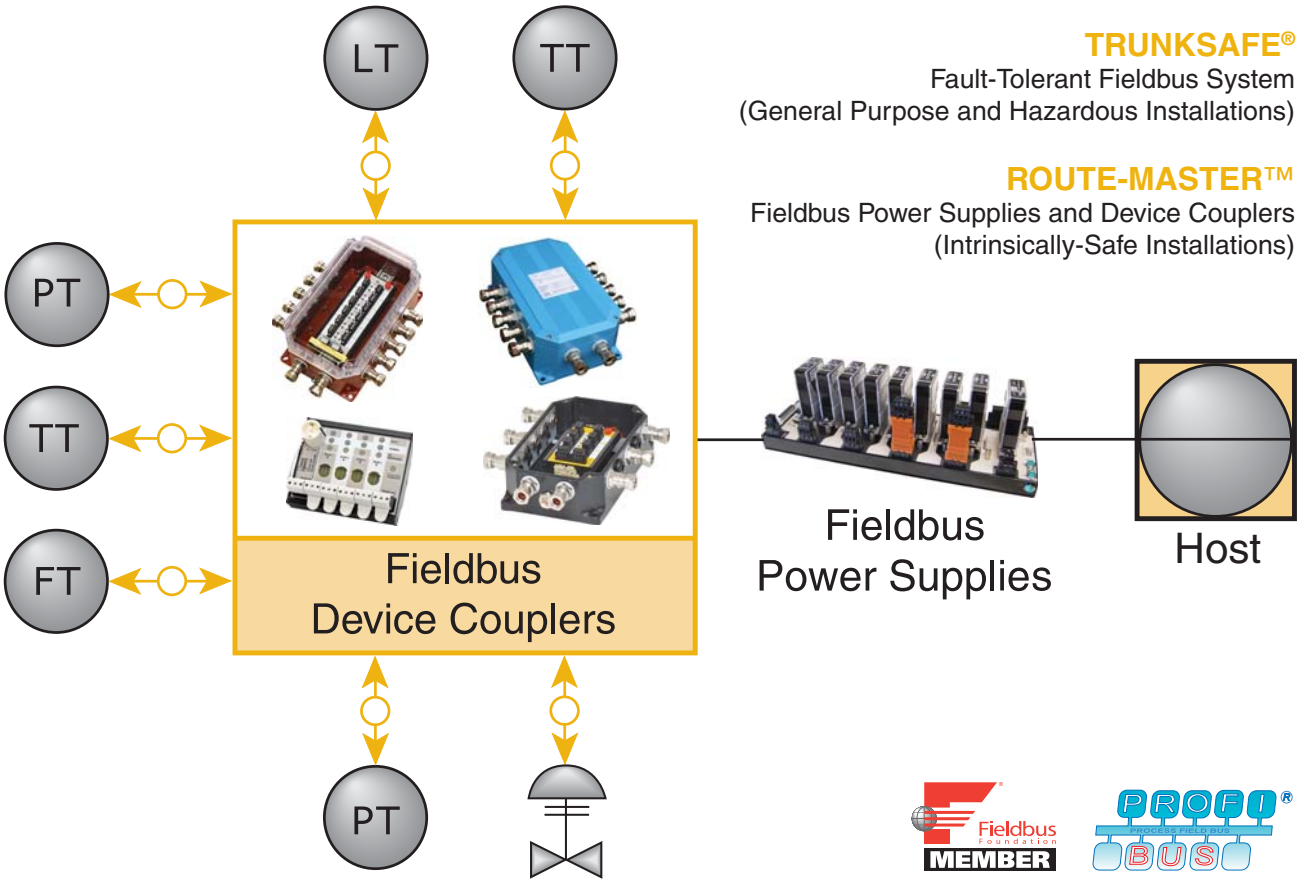
FOUNDATION Fieldbus™ and PROFIBUS PA Device Couplers and Power Supplies

Connect, Protect, Power and Terminate. We've Got You Covered.

TRUNKGUARD®
Fieldbus Power Supplies and Device Couplers
(General Purpose and Hazardous Installations)

TRUNKSAFE®
Fault-Tolerant Fieldbus System
(General Purpose and Hazardous Installations)

ROUTE-MASTER™
Fieldbus Power Supplies and Device Couplers
(Intrinsically-Safe Installations)



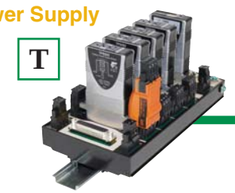
Fieldbus Device Couplers and Power Supplies deliver a fast and easy way to connect, protect, power and terminate multiple fieldbus devices in FOUNDATION fieldbus™ and PROFIBUS PA segments.

FOUNDATION Fieldbus™ and PROFIBUS PA Device Couplers and Power Supplies

TRUNKGUARD® Fieldbus System

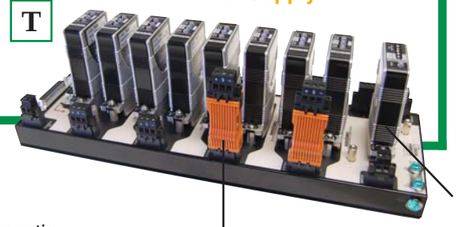
General Purpose and Hazardous Installations

TPS400
Simplex Fieldbus Power Supply



H1 or PA Fieldbus Interface

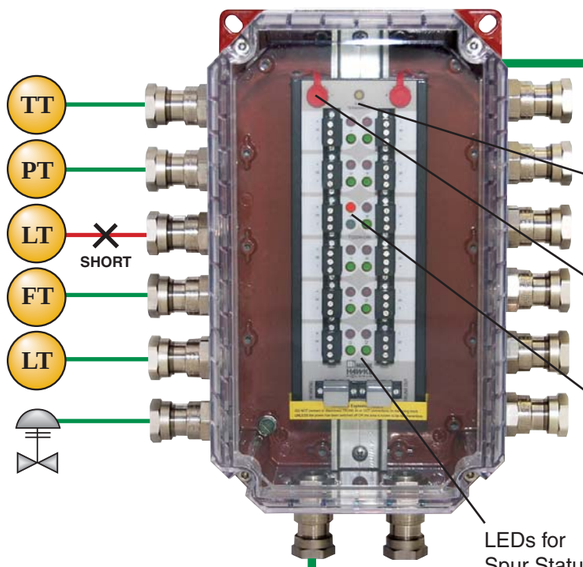
TPS400
Duplex (Redundant) Fieldbus Power Supply



Diagnostics Module

Pluggable Surge Protection Module (Optional)

TG200
Fieldbus Device Couplers
General Purpose and Non-Incendive



Automatic Segment Termination INACTIVE

Connections for Hand-Held or Test Equipment

Auto-Resetting Short Circuit Protection Uses ONLY 4-5mA During a Short

LEDs for Spur Status

TG300 Series
Fieldbus Device Couplers Zones 1 and 2

Patented Automatic Segment Termination ACTIVE

Magnetic Interlock Key Deactivates Spur to Allow Devices to be Removed or Added Under Power, Even in Zone 1.

Power Conditioner, Diagnostics and Surge Protection Modules are Interchangeable Between TRUNKSAFE and TRUNKGUARD

TRUNKSAFE® Fault-Tolerant Fieldbus System

The First Redundant Fieldbus Network

H1 or PA Fieldbus Interface

TRUNKSAFE Host-Specific Interface

Termination NOT ACTIVE

TPS200
Redundant Fieldbus Power Conditioners

Detect System and Field Cable Failures, and Then Prevent Power and Communications on That Side of the Trunk

Termination ACTIVE

BREAK!

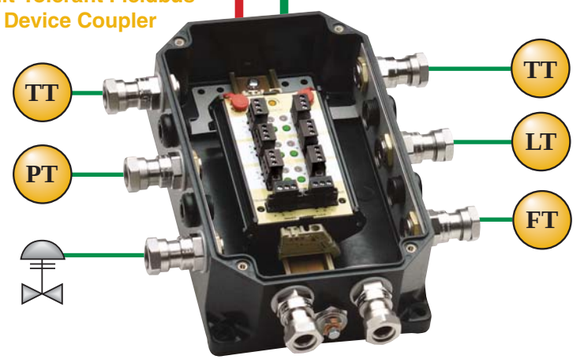
TRUNKSAFE Maintains a Properly Terminated Physical Layer Despite Any Single Point of Failure, Including an Open- or Short-Circuit.

Full Range of Field-Mount Enclosures (Aluminum, GRP and Stainless Steel)

Patented Automatic Segment Termination ACTIVE

Termination is Initiated Upon Fault Detection (Loss of Power) on Either Side of the Trunk

TS200
Fault-Tolerant Fieldbus Device Coupler



FOUNDATION Fieldbus™ and PROFIBUS PA Device Couplers and Power Supplies

ROUTE-MASTER™

Split Architecture Intrinsically-Safe Fieldbus System

Connect FISCO or ENTITY Devices

H1 or PA Fieldbus Interface

RM100
Fieldbus Power Supply

Dual Trunk Outputs from Each Isolator Card Deliver 350mA per Segment

Redundant, Isolated Power for Up to 8 Segments

FOUNDATION Fieldbus H1 or PROFIBUS PA
1900m (6233ft) Maximum Segment Length

SAFE AREA

HAZARDOUS AREA

Zone 0/1, IIC
Class 1, Division 1
Groups A,B,C,D

Zone 1, IIC

EX e

EX i

Zone 0/1, IIA, IIB
Class 1, Division 1
Groups C,D

TT
PT
LT

RMA100 Series
Fieldbus Device Couplers

PT
FT
TT

120m (393ft) Maximum Spur Length

120m (393ft) Maximum Spur Length

FT
TT
PT
LT

TT
PT
LT
FT

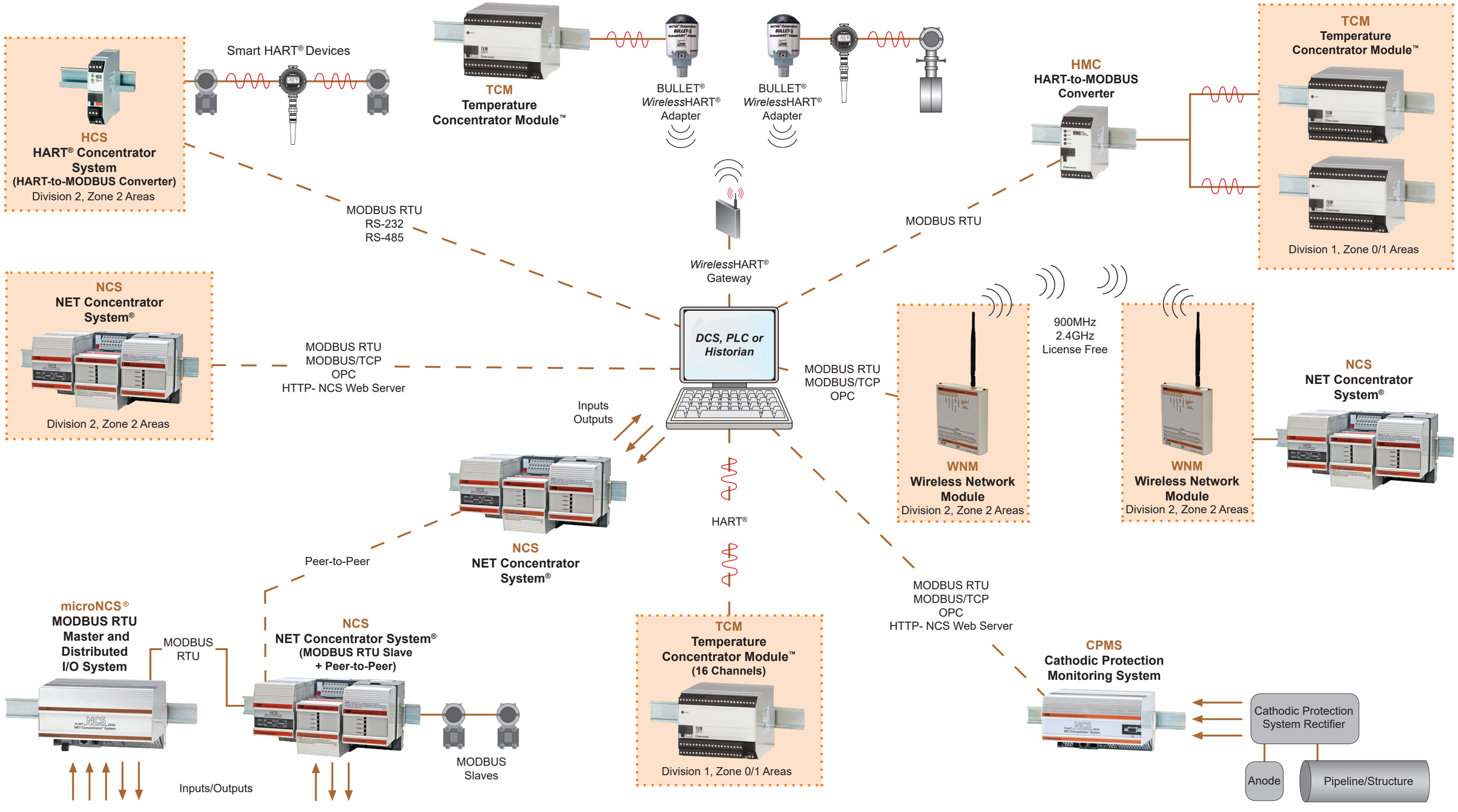
Industrial Remote I/O Solutions Line Card

Ambient
+85°C (+185°F)

INDUSTRIAL REMOTE I/O FOR TOUGH ENVIRONMENTS

Ambient
-40°C (-40°F)

Industrial Remote I/O Solutions Line Card



По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72
Брянск (4832)59-03-52
Вологда (8172)26-41-59
Иваново (4932)77-34-06
Калининград (4012)72-03-81
Киров (8332)68-02-04
Курск (4712)77-13-04
Москва (495)268-04-70
Нижний Новгород (831)429-08-12
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Самара (846)206-03-16
Смоленск (4812)29-41-54
Тверь (4822)63-31-35
Тюмень (3452)66-21-18
Челябинск (351)202-03-61

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Ижевск (3412)26-03-58
Калуга (4842)92-23-67
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