

W.H. Cooke Times

Vol. 9, No. 4 Fall 2022 Hanover, PA

HAPPY THANKSGIVING!

Manufacturer of thermocouples, RTD's, and thermistors and distributor of instrumentation and controls for temperature, pressure, level, flow, pH, RH, flame and gas detection and heaters for almost any application.

We also carry chart recorders and chart paper and pens as well as paperless recorders, data loggers, pumps, valves, and motors, and industrial oils, solvents, lubricants and PPE.

Here is a link to our website www.whcooke.com

Click to follow us on social media



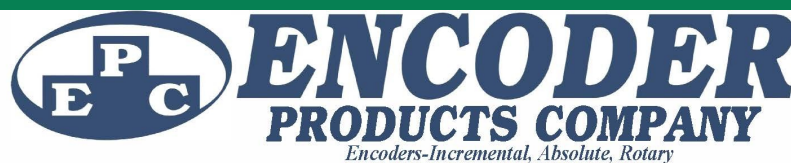
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W. H. Cooke & Co., Inc. - Product Lines

W. H. Cooke & Co., Inc. Thermocouples & RTDs	BEADAM Scales, Balances, & Calibration Weights	AEROFLEX EPDM Pipe & Duct Insulation	AlpHa pH, ORP, Conductivity	Antunes Air & Gas Pressure Switches
ANFIELD Pressure, Level, Temperature Switches & Transducers	APG Automation Products Group, Inc. Level & Pressure Sensors / Transmitters	ATHENA Temperature and Process Controls	BACKER MARATHON Cartridge & Band Heaters	CHROMALOX Industrial Heating & Heat Trace Solutions
COMARK A Fisher Company Wireless Data Loggers	ControlAir Precision Pneumatic Electropneumatic Controls	Controls Warehouse Flowmeters - Magnetic, Vortex, Turbine, Oval Gear, Paddlewheel	Dalton Unique Split Sheath Cartridge Heaters	DATATRACK Digital Panel Meters
DBK 75 Positive Temperature Coefficient Self-Regulating Heating Elements	Dwyer Pressure, Flow, Level Sensors & Controls	ENCODER Encoders-Incremental, Absolute, Rotary	EXTECH Infrared Heat Guns, Electrical Test Instruments	FUTUREDESIGN Temperature Controls
GDS Corp Gas and Flame Detection	Gems Sensors & Controls	GasDetector Portable Gas Detection Instrumentation	GP:50 MELT PRESSURE Melt Pressure & Temperature Transducers	HB CONTROLS
HI-HEAT INDUSTRIES INC. HI-HEAT INDUSTRIES INC.	HTM SENSORS Proximity, Photoelectric, Pneumatic, Capacitive	HTS Amptek	Imada.com Force & Torque Measurement	INDEECO Immersion & Tubular Electric Heating Elements
INOR Temperature Transmitters	INTELHEAT Heaters For Drums, Totes & Containers	JENCO Laboratory & Industrial Instruments: Temperature & pH	KOBOLD Level, Pressure, Flow Instruments	LAUREL ELECTRONICS Electronics for Measurement, Control & Networking
LOVE Temperature Controllers	Luminite Control Technology Industrial & Sanitary Level Controls	Magistrol Solenoid Valves	MADGETECH WIRELESS DATA LOGGERS Wireless Data Loggers	micronics Portable Clamp On Flow Meters
MONARCH Data Loggers (Paperless Recorders)	nexthermal	NOVUS We Measure, We Control, We Record Measurement, Control, Recording	Partlow Temperature Controls & Recorders	PRECISION DIGITAL Panel & Process Meters
PROCESS TECHNOLOGY Wet Process Heating & Cooling Equipment	Protection Controls, Inc. Flame Safety	REOTEMP Thermometers & Pressure Gauges / Transmitters	Sensorex Laboratory & Industrial Instruments: Temperature & pH	SIKA Electronic Measuring & Calibration Instruments
UNITHERM Industrial Insulation Blankets	VAISALA RH Sensors / Transmitters	WIKAL Pressure Gauges & Transmitters		



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HVAC and Boiler Supplies



UV/Flame Sensors, Solenoid Valves, Motor Actuators, Gas Valves & Regulators, Air/Gas Pressure Switches, Burner Controls, Insulation, O-rings, Gaskets

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Tech Tips with Wayne Cooke, Sr.
Part 2 of a 2 part series



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With 100% positive eBay feedback,
see what our customers have to say!

A collage of images for WH Cooke Co Industrial Parts. On the left is a photograph of a building at night with a neon sign that reads 'W. H. Cooke & Co.'. In the center is a circular logo with the text 'W. H. COOKE & CO., INC.' and 'Industrial Controls, Heaters, & Sensors' around a central image of a valve. On the right is another photograph of a building at night. Below these images is a screenshot of an eBay listing for 'WH Cooke Co Industrial Parts' with the text '100% Positive feedback'.

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Company History:
Manufacturing industrial-grade equipment since 1963.



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FALL!

"Always laugh when you can. It is cheap medicine." - Lord Byron



W.H. Cooke Times

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Quarter in Review



Lead times and component shortages continue to impact the Manufacturing Industry and we are doing everything we can to stay ahead of this by stocking more parts than we ever have and keeping our temperature sensor manufacturing materials on hand.

Note:

OUR THERMOCOUPLE AND RTD LEAD TIMES ARE 1-2 WEEKS for most orders barring the necessity to bring in some exotic protection tubes or other special parts or fittings.

NO ORDER MINIMUMS OF CAL AND WEST CONTROLS AND SOME GEMS SENSORS

ANTUNES/CROSSROADS pressure switches in stock **EXPEDITE**

OPTIONS for most heaters

ENCODERS ship in 2-4 weeks with expedite options available

STOCK of **HONEYWELL, FIREYE,** and other **HVAC/Boiler** parts

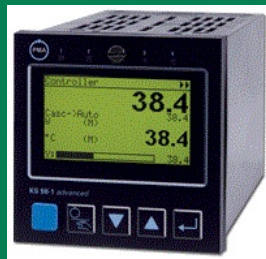
Wishing a Happy Thanksgiving to you all!



W. H. Cooke & Co. has stock of Cal 320000's and some other Cal and West Controllers with NO ORDER MINIMUMS. Please get ahead of these supply chain issues and place your orders for temperature controls asap. We can also set up blanket orders to be released within 1 year.

Gems and Setra pressure transducer delivery is not as far out as the temperature controls, but we are still encouraging our customers to plan ahead as the supply chain issues continue.

If you have a need for a Gems product for temperature, level, flow, or pressure, please reach out for a quote and send your request to team@whcooke.com or give us a call at 717-630-2222





ENCODER PRODUCTS COMPANY

Encoders-Incremental, Absolute, Rotary

Long lead times on Encoders?

If you are using Encoders and finding yourself up against long lead times, please provide your alternate brand part number and specs and we will cross it to the appropriate Encoder product. Lead times are running about 1-4 weeks on average and 1-2 day expedites are available in some cases.

Please email your request to team@whcooke.com or call us at 717-630-2222



PAGE 4 Product Lines

W. H. Cooke & Co., Inc. - Product Lines

 Thermocouples & RTDs	 Scales, Balances, & Calibration Weights	 EPDM Pipe & Duct Insulation	 pH, ORP, Conductivity	 Air & Gas Pressure Switches
 Pressure, Level, Temperature Switches & Transducers	 Automation Products Group, Inc. Level & Pressure Sensors / Transmitters	 Temperature and Process Controls	 Cartridges & Band Heaters	 Industrial Heating & Heat Trace Solutions
 Wireless Data Loggers	 Precision Pneumatic Electro-pneumatic Controls	 Flowmeters, Magnetic, Vortex, Turbine, Oval Gear, Pad/Leak/Helical	 Unique Split Sheath Cartridge Heaters	 Digital Panel Meters
 Positive Temperature Coefficient Self-Regulating Heating Elements	 Pressure, Flow, Level Sensors & Controls	 Encoder-Incremental, Absolute, Rotary	 Infrared Heat Guns, Electrical Test Instruments	 Temperature Controls
 Gas and Flame Detection, Gas & Flame Detection	 Proximity Photoelectric, Pneumatic, Capacitive	 Portable Gas Detection Instrumentation	 Melt Pressure & Temperature Transducers	 Heating Solutions
 Proximity Photoelectric, Pneumatic, Capacitive	 Proximity Photoelectric, Pneumatic, Capacitive	 Force & Torque Measurement	 Force & Torque Measurement	 Immersion & Tubular Electric Heating Elements
 Temperature Transmitters	 Heaters For Drums, Totes & Containers	 Laboratory & Industrial Instruments: Temperature & pH	 Level, Pressure, Flow Instruments	 Electronics for Measurement, Control & Networking
 Temperature Controllers	 Industrial & Sanitary Level Controls	 Solenoid Valves	 Wireless Data Loggers	 Portable Clamp On Flow Meters
 Data Loggers (Paperless Recorders)	 Energy Management	 We Measure, We Control, We Record: Measurement, Control, Recording	 Temperature Controls & Recorders	 Panel & Process Meters
 Wet Process Heating & Cooling Equipment	 Flame Safety	 Thermometers & Pressure Gauges / Transmitters	 Laboratory & Industrial Instruments: Temperature & pH	 Electronic Measuring & Calibration Instruments
 Industrial Insulation Blankets	 RH Sensors / Transmitters	 Pressure Gauges & Transmitters		



HVAC and Boiler Supplies



UV/Flame Sensors, Solenoid Valves, Motor Actuators,
Gas Valves & Regulators, Air/Gas Pressure Switches,
Burner Controls, Insulation, O-rings, Gaskets

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C) Check for proper polarity. Many thermocouples are terminated with connectors or a transition where it is possible to have a reverse connection. That is, the negative wire is connected to the positive pin of the connector and positive wire is connected to the negative pin. When heat is applied to the thermocouple with the sensor plugged into a temperature tester, the reading will go down as the temperature goes up. Note: It is not unusual to also see what is known as a "double reverse" connection.

Here is an example. Customer has a type K thermocouple

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Tech Tips with Wayne Cooke, Sr.
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terminated with a screw cover head on top of a hot furnace. The electrician connects the wire in the head in reverse. Negative to positive and vice versa. He walks back to the controller 50 ft away and observes that the temperature is reading in the negative direction. Obviously he has a reverse connection. Instead of getting the ladder back out and climbing up on top of the hot furnace, he reverses the connection at the terminals of the controller and sure enough the controller reads in the positive direction. Problem solved? No. He must go back and correct the wiring because he still has the chromel wire connected to the alumel and vice versa in the run of wire from on top of the furnace (where the ambient temp in the screw cover head might be 150 F) and the terminals on back of the controller (where the ambient temp might be 70 F). The result is the same as it would be if he used uncompensated copper wire between the 2 connections and the reading will be off by 80 F ($150-70 = 80$). Remember red is always negative when working with a thermocouple and usually positive in a standard electrical connection so it easy to get that mixed up.

D) If you want to determine if your thermocouple or the instrument it is connected to is bad, try the following: disconnect the thermocouple from the temperature controller or PLC input module and short across the 2 input terminals at the controller. If the controller reads ambient at the terminals, the thermocouple is most likely the problem. This is not always true for all controllers as I´ve seen a few where you must connect a thermocouple to the instrument terminals so it is best to take a short piece of thermocouple wire, strip both ends and twist securely at one end to form a junction and connect the other end to the input terminals and see if you read ambient temperature. We hope that you have enjoyed this 2 part tech series on thermocouples. Stay tuned for more tech tips in future issues.

Thanks! Wayne Cooke, Sr.

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eBay Store - W. H. Cooke Co. Industrial Parts



Since 2010, we have been helping our eBay customers with 100% feedback. Check out some of our reviews!

"Just as described and what I needed! Great purchase option and Super Fast shipping!"

"Great to deal with. A+++++"

"Very fast . Thank you"

"The United Kingdoms largest surplus dealer wishes to thank you for your business"

" Very professional, no-nonsense seller. Thank you!"

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Company History:
From 1963 and still growing!



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Company History:
From 1963 and still growing!

1963 - Wayne Cooke, Sr., starts "Industrial Instrument Repair Co.," at 1440 S. Charles St., Baltimore, MD as the sole employee repairing Honeywell, Foxboro, L & N and many other brands of industrial instrumentation.

1969 - "Industrial Instrument Repair Co." becomes "W. H. Cooke & Co." and a sales rep/distribution division is added to the business representing manufacturers of industrial controls, heating elements and sensors.

1975 - W. H. Cooke & Co. moves to 2926 Industrial Park Dr., Finksburg, MA and begins manufacturing thermocouples along with the instrument repair and sales divisions.

1978 - The instrument repair division is sold and the new owner incorporates under the original name of "Industrial Instrument Repair Co.," in Baltimore.

2006 - W. H. Cooke & Co. purchases a building and moves to our present location at 6868 York Rd., Hanover, PA.

2010 - W. H. Cooke & Co. purchases "Stock Controls, Inc.," out of Wayne, PA near Philadelphia, closes the office and moves the inventory to the Hanover plant.

2011 - W. H. Cooke & Co. goes "off the grid" with the addition of a 42 KW -182 solar panel system on the roof of it's building.

2012 - W. H. Cooke & Co. acquires a machine shop out of Abbottstown, PA and moves the equipment to the Hanover plant with the purpose of providing quick turnaround of special fittings and parts for our customers.

2014 - W. H. Cooke Co. acquires "Martin Equipment Co.," out of Baltimore specializing in sales of sanitary valves and fittings for the food processing industry. Operation is moved to the Hanover location.

2016 - W. H. Cooke & Co. purchases "Covell Equipment Co.," out of Seaford, DE and moves the inventory to the Hanover plant where we continue to supply and support Covell's customers in the chicken processing industry across the country.

2016-2019 - W. H. Cooke & Co. makes substantial investment in a laser welder and other automation equipment, along with upgrading our manufacturing facilities allowing us to continue to provide our customers with excellent quality and on time delivery.

December 1, 2021 - W. H. Cooke & Co. acquires Instruments and Thermal Products out of Townsend, DE. ITP was a long time Rep and Distributor for Gems/Cal Controls/West Controls and sold sensors, controls, and heaters. W. H. Cooke & Co. retained those product lines along with HB Controls and various other manufacturers



As long as autumn lasts, I shall not have hands, canvas and colors enough to paint the beautiful things I see.

— Vincent Van Gogh —

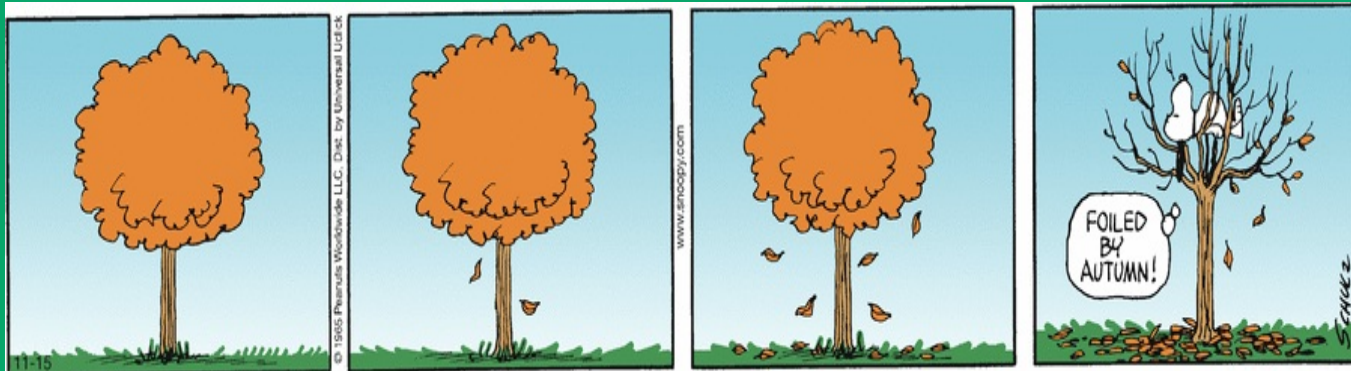


What happened when the turkey got in a fight?
The stuffing was knocked out of him!

If money grew on trees, what would be everyone's favorite season?
Fall

What did Autumn say to Summer?
Make like a tree and leave!

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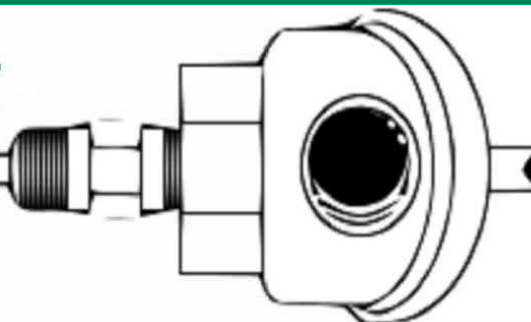
Why did the pumpkin lose the boxing match?
He let his gourd down

What did the ground say when fall came?
Well that's a re-leaf

We appreciate your business and look forward to helping you!

W.H. Cooke & Co., Inc.
Industrial Controls, Heaters, & Sensors

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