

W.H. Cooke Times

Vol. 8, No.2 Summer 2021
Free

Hanover, PA

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



****See Below for our \$1 PPE Sale****



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PPE

PPE Sale
on
KN95 masks, hand sanitizer, and face shields



KN95 masks
\$1/ea 5 pc minimum

*UPS Shipping charges will apply



16 oz Hand Sanitizer
\$1/ea No Minimum

*UPS Shipping charges will apply



PSK1000076 PSK1000082 PSK1000083

Kid's Face Shields

- Fits Over Prescription or Protective Eyewear
- Anti-Fog and Splash Resistant PET Visor for High Optical Clarity
- Soft Foam Headband and Lightweight Construction for Maximum Comfort

SKU	Design	Packaging	Carton Dim.	Net Weight	Gross Weight
PSK1000076	Ninja	10 each/box	40cm x 33.5cm x 5.5cm	12 kg	12.5 kg
PSK1000082	Green Monster	10 each/box	40cm x 33.5cm x 5.5cm	12 kg	12.5 kg
PSK1000083	Unicorn	10 each/box	40cm x 33.5cm x 5.5cm	12 kg	12.5 kg

Kids Face Shield \$1/ea No Minimum

*UPS Shipping charges will apply

Adult Face Shield \$1/ea No Minimum

*UPS Shipping charges will apply

We still have a large stock of 3 ply masks, KN95 masks, Face Shields for both adults and children, Hand Sanitizer gel, and XL Nitrile Gloves. Please see below offering and if you need something listed here please email team@whcooke.com and let us know what you need.

You can also visit our [Online Shop](#)

** PPE Products **



Level 3 Black 4-ply
Made in USA
\$.99/ea
\$49.50/50pc



Level 3 Face Mask
Made in USA
\$.99/ea
\$49.50/50pc



Level 1
Disposable Face Mask
\$15/50 pc



Level 2 Face Mask
\$30/50pc



Cloth Mask
Made in USA
\$30/pk of 10



N95 Masks
\$70/20pc



KN95
\$40/20 pc

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PPE Products



Kid's Face Shield
\$5/10 pc



Face Shield
\$10.50/10 pc



Nitrile Gloves XL
CALL FOR PRICE & AVAILABILITY



Vinyl Gloves
CALL FOR PRICE & AVAILABILITY



Nitrile Gloves Medium
CALL FOR PRICE & AVAILABILITY



Hand Sanitizer Gallon
CALL FOR PRICE & AVAILABILITY



Hand Sanitizer 16.9oz
\$70/case of 35 (Includes Pump)

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PPE Products



Level 2 Disposable Isolation Gown (SMS)
\$7/ea 3 case min
80 gowns per case of same size
(can mix & match if we have stock)
Currently have:
10 Medium in stock/\$50
11 Large in stock/\$50
*after current stock is gone 3 case min will apply



Reusable Forehead Thermometer
\$10/10 pc



Stick-on, Disposable Forehead Thermometer
\$25/box of 100



Mask Strap
\$15/10 pc



Spare Pump (For Gallon Only)
\$1/ea

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Quarter in Review

Recycling Platinum Thermocouples? Type B, R, S

Summer is here! It is heating up and if you need help colling down, please reach out to us for your HVAC/Cooling needs. We sell Heating/Cooling products for Industrial application as well as Commercial. If you need a room A/C unit or a Hot Water Heater we can help.

The first Quarter of 2021 got us off to a good start. We are staying busy and have been fortunate that we have not experienced material shortages for the most part and thanks to planning we have been able to keep our production materials in stock.

Speaking of material, if you are using any thermocouples with Platinum in them such as Type B, S, or R there is valuable Platinum and Rhodium in them and we can recycle that material and provide a credit or pay you cash for the material. Please reach out and let us know what material you have on hand and we can go from there.

We manufacture thermocouples, RTD's, and thermistors and can help you with your measurement and control of temperature with our custom built Made in USA sensors along with a variety of temperature controls and digital displays. If you are controlling a heater or valve, we can help with those items as well. Stay cool and please keep W. H. Cooke & Co. in mind for your next application whether it be for temperature, level flow, pressure, pH, RH, or any other parameter that needs monitoring and/or controlling. Thanks, and enjoy the Summer!

Wayne H. Cooke

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Product Lines

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

 Thermocouples & RTDs	 Scales, Balances, & Calibration Weights	 Analog and Industrial Water Treatment Controllers	 Air & Gas Pressure Switches	 EPDM Pipe & Duct Insulation
 Electrical Boxes & Enclosures	 Pressure, Level, Temperature Switches & Transmitters	 Automation Products Group, Inc. Level & Pressure Sensors / Transmitters	 pH, ORP Conductivity	 Temperature and Process Controls
 Smart Transmitters	 Cleaning Validation & Color in Solids/Liquids	 Industrial Heating & Heat Trace Solutions	 Wireless Data Loggers	 Instrument & Control Repair
 Precision Pneumatic Electropneumatic Controls	 Flowmeters - Magnetic, Vortex, Turbine, Oval Gear, Paddlewheel	 Unique Split Sheath Cartridge Heaters	 Digital Panel Meters	 Positive Temperature Coefficient Self-Regulating Heating Elements
 Sanitary Valves	 Chart Recorders & Data Loggers	 Water Powered Dosing Technology	 Pressure, Flow, Level Sensors & Controls	 Temperature Controls
 Infrared Heat Guns, Electrical Test Instruments	 Gas & Flame Detection	 Portable Gas Detection Instrumentation	 Well Pressure & Temperature Transducers	 Proximity Photoelectric, Pneumatic Capacitive
 Force & Torque Measurement	 Immersion & Tubular Electric Heating Elements	 Temperature Transmitters	 Heaters for Drums, Totes, & Containers	 Temperature, Level, and Humidity Sensors
 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	 Cartridge & Band Heaters	 Portable Clamp On Flow Meters	 Data Loggers (Paperless Recorder)
 Measurement, Control, Recording	 Temperature Controls & Recorders	 Panel & Process Meters	 Wet Process Heating & Cooling Equipment	 Flame Safety
 Thermometers & Pressure Gauges / Transmitters	 Electronic Measuring & Calibration Instruments	 Industrial Insulation Blankets	 RH Sensors / Transmitters	 Pressure Gauges & Transmitters



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Boiler & HVAC Parts

HVAC and Boiler Supplies



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

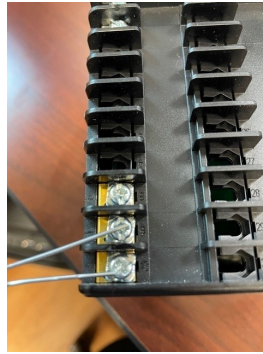
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Tech Tips

Did my temperature controller or temperature sensor fail? Three steps to troubleshoot and identify the failure when your temperature controller no longer reads the temperature.

1. For controllers programmed for thermocouple input, simply install a wire jumper across the sensor input terminals of the controller. This forces the controller to read its cold junction compensation reference and the controller will display ambient

temperature if it is working properly.



*note that inputs will vary by controller



2. For thermocouples, use a multimeter to measure continuity or resistance across both thermocouple leads. If your multimeter alarms or if you read a low resistance between the two wires, then the thermocouple junction is present and your thermocouple is operational.

3. For RTDs, use a multimeter to measure the resistance across one red wire and one white wire. It does not matter which red or which white wire you measure if you have a 3-wire or 4-wire RTD. You will need to know the base resistance of the RTD you have----100 ohm, 1000 ohm, 10 ohm, 120 ohm are some of the more common base RTD resistances. The resistance output of an RTD is based on the temperature the sensor is measuring, so if your ambient probe temperature is above 0°C / 32°F, your resistance measurement is going to be higher than the base resistances. If you are reading a resistance lower than your base resistance and your ambient temperature is higher than 0°C/32°F, then your RTD has failed



-Matt Wootton



A local contract engineering and manufacturing company based in Maryland reached out to us recently about a mutual customer of ours who manufactures industrial fibers. This customer needed a new oven to expand production. Their existing oven already used electric tubular heating elements and temperature sensors supplied by W. H. Cooke. The contract engineering and manufacturing company wanted to take care of supplying the oven, but asked W. H. Cooke to supply the heaters, thermocouples, and controls for the oven.

The result-----a 4-zone, 435 amp, SCR heater control panel. In addition to the temperature controllers for each zone driving the external SCRs, the customer also wanted to monitor current draw on each zone, so we provided CTs and four ¼ DIN meters capable of displaying voltage, current and frequency for each zone.



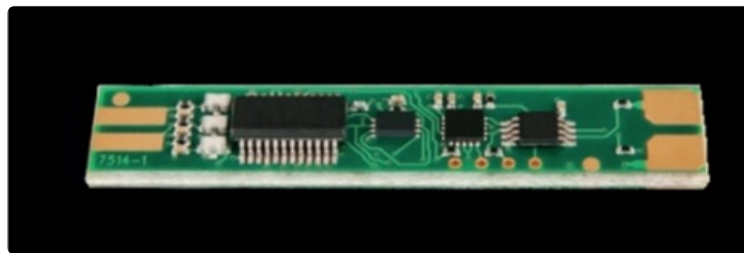
-Matt Wootton

Inline Transmitter and RTD



A customer approached us about an application requiring a 100 Ohm RTD, with a 4-20 mA transmitter in a very small housing. These sensors are for measuring temps flowing through tubing lines in a refrigeration application. The Issue: Most sensors with in-head mount transmitters are just too large and bulky for this application. And rail mount transmitters require wiring back to a terminal box somewhere that just was a not ideal in this application.

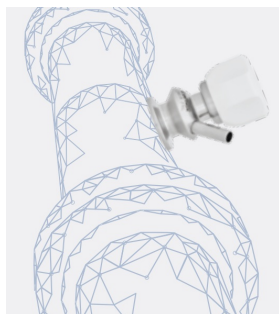
The solution was packaging Inor's OEM202 series digital temperature transmitter for integration into temperature sensors, into a customized package that would suit this customer needs. With some discussions of how the sensor should best contact the tubes/pipes, and how they wanted to mount the sensor, we were able to make this inline complete sensor/transmitter package to fill the customers need. Including a pair of bends to raise the transmitter and M-12 connection above the insulation line.



From the Class A RTD element for higher accuracy, to the required analog output, to the M12 connection for both signal and power, this sensor is small but complete. Give us a call today with your challenging application to see what kind solution we can put together for you.

-Dan Feeser

Definox offers a wide variety of Sanitary Valves. Please reach out to see how we can help with your Valve needs.



SIMPLE AND SECURE SAMPLING WITH PEX PEAX VALVES

MAXIMUM ADAPTABILITY ACCORDING TO THE ENVIRONMENT AND THE CONTEXT OF USE

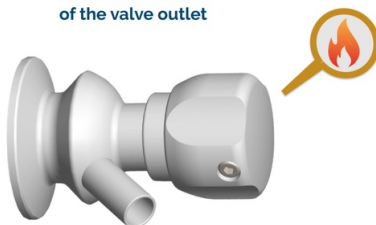
Most often installed on tanks or pipes, PEX - PEAX sampling valves are easily integrated thanks to their multiple connection.

Available in different diameters, fluids from the most liquid to the most viscous can be collected with the PEX/PEAX sampling valves.

The possibility of adapting the Sorio® control top to the automatic version makes it possible to control and view the status of the sampling valve remotely.

1-OUTLET VALVE

Flame sterilization of the valve outlet



Manual PEX1

2-OUTLET VALVES

Sterilization by circulation of a sterilizing cleaning product or steam inject



Manual PEX2



Offset spout



Black plastic cap



Clamp 3/4



Connection adaptor



Ferrule Clamp 3/4



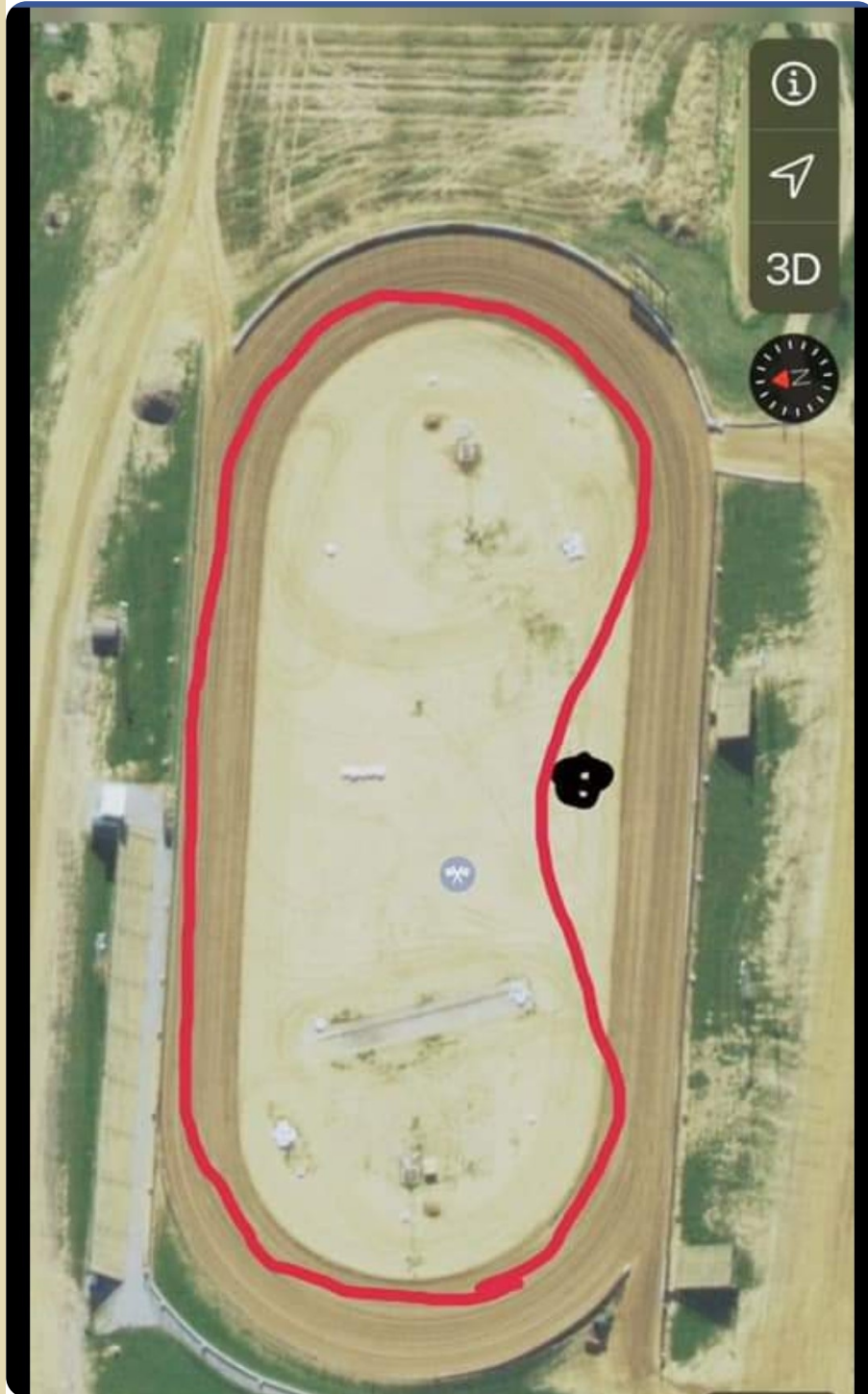
3/8" gas outlet



RBE03 quick coupling

In The Community-

W. H. Cooke & Co. is sponsoring Angie Hersh and her son, Lane Hersh in the Scramble Car Class. It is not quite "Crash Up Derby" but it definitely gets rough out there with plenty of contact between drivers. It is a 15 lap scramble with 2/3 of the lap taking place on the track and 1/3 cutting through the infield. The below picture shows the "Peanut" (red line) which is the in and out of the lap. Scramble cars are considered in the class with the Enduro Cars and everything has to be pretty much stock on the car.



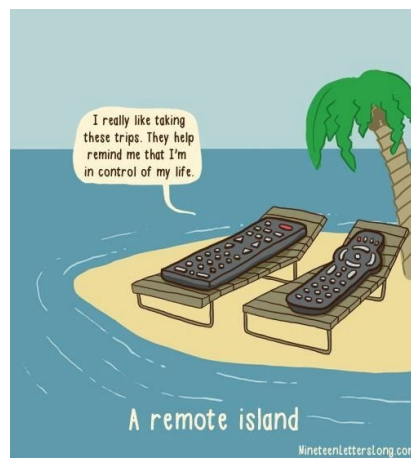


Angie's family has been in racing for years and it started with her Grandparents. Angie drives the #78 Honda and her son, Lane, drives the #28 Toyota. They are getting some attention in the community as a Mother and Son racing team. They usually race at Trail-Way Speedway <https://www.trail-wayspeedway.com/> and their next race is June 11th. Go Team Hersh!

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Funnies





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