

ALL-IN-1

TEMPERATURE SOLUTION

MIST SANITARY SERIES

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The first temperature sensor with a fully programmable, integrated microprocessor sensor transmitter. A technology patented by Intempco.

- Hermetically sealed transmitter within the sensor
- Compact Size
- Accurate up to $0.10\text{ }^{\circ}\text{C} + 0.10\%$ of calibrated span with two-point calibration
- Output signals: 4-20 mA 2-wire; 0-5, 1-5, 0-10 VDC 3-wire
- Field re-programmable with interface module & Software



**RTD PLATINUM
DETECTION ELEMENT**



**PROGRAMMABLE
TRANSMITTER
BUILT-IN**



**CONNECTION HEAD NOT
REQUIRED**

BESTOBELL
AQUATRONIX
SINCE / DEPUIS 1953

USA Patent No.: 7,223,014

CND Patent No.: 2,561,570

MIST MS01

w/4-20mA Output



- MS01 mini sanitary transducer is designed to provide accurate temperature measurements in small diameter lines
- Direct immersion small diameter probes offer fast response and minimize stem conduction
- Connection is Tri-clamp 1/2" and 3/4"
- Hermetically sealed to IP67
- Instrument connection is cable available with many types of jacketing materials
- Electrical outputs are 4-20mA and voltages

MIST MS03

w/4-20mA Output



- MS03 mini sanitary transducer is designed to provide accurate temperature measurements in small diameter lines
- Direct immersion small diameter probes offer fast response and minimize stem conduction
- Connection is Tri-clamp 1/2" and 3/4"
- Hermetically sealed to IP67
- Instrument connection is cable available with threaded process fitting for connection head
- Electrical outputs are 4-20mA and voltages

MIST MS05

w/4-20mA Output



- MS05 mini sanitary transducer is designed to provide accurate temperature measurements in small diameter lines
- Direct immersion small diameter probes offer fast response and minimize stem conduction
- Connection is Tri-clamp 1/2" and 3/4"
- Hermetically sealed to IP67
- Instrument connection is M12 connector available with mating M12 cables
- Electrical outputs are 4-20mA and voltages

MIST MS22

w/4-20mA Output



- MS22 sanitary transducer is designed to provide accurate temperature measurements in food/beverage and pharma applications
- Direct immersion probes are available in many diameters and with reduced tips
- Hygienic clamps from 1" to 4" are available
- Hermetically sealed to IP67
- Instrument connection is cable available with many types of jacketing materials
- Built-in programmable transmitter w/4-20mA and voltage outputs

MIST MS24

w/4-20mA Output



- MS24 sanitary transducer is designed to provide accurate temperature measurements in food/beverage and pharma applications
- Direct immersion probes are available in many diameters and with reduced tips
- Hygienic clamps are Cherry-Burrell, Bevel Seat, John Perry available in various sizes
- Hermetically sealed to IP67
- Instrument connection is cable
- Built-in programmable transmitter w/4-20mA and voltage outputs

MIST MS25

w/4-20mA Output



- MS25 sanitary transducer is designed to provide accurate temperature measurements in food/beverage and pharma applications
- Direct immersion probes are available in many diameters and with reduced tips
- Hygienic clamps from 1" to 4" are available
- Hermetically sealed to IP67
- Instrument connection is M12 connector available with mating M12 cables
- Built-in programmable transmitter w/4-20mA and voltage outputs

MIST MS80

w/4-20mA Output



Applications and Uses

The Intempco RS80 series hygienic clamp assemblies, with enclosure and built-in programmable transmitter in the extension of the probe, are an excellent choice for easy installation into a "tee", "cross", or directly into a sanitary tube. Connection head options include polypropylene, stainless steel, Bakelite, Teflon®, and others. Order probes up to 1/2 inch in diameter for applications that require long and structurally robust probes. Many mechanical configurations derived from this basic RS80 series are available. Review the complete sanitary RTD brochure to find an assembly appropriate for your application, or contact Intempco, and we will provide a complete customized solution.

- Sanitary 3-A approved
- Probes all 316 stainless construction; other materials available
- Standard enclosures are white Polypropylene and Stainless Steel
- Many custom assemblies available with enclosures; consult factory
- 4-20mA output calibrated to customer specified temperature range
- Voltage and digital outputs available; consult factory
- Accuracy of $\pm 0.20^{\circ}\text{C}$ or better over the entire span
- Operating temperature range of -50 to 200°C (-58 to 400°F)
- Utilizes Pt-100 Ohm Class A RTD element
- Probe & fitting highly polished
- Sanitary fittings sizes available are 1/2" to 4"
- Available with M12 conduit connector or cable gland
- Rated IP67 / NEMA 4X

BESTOBELL
AQUATRONIX
SINCE/DEPUIS 1953

Head Office
2880 Argentia Road, Unit 3
Mississauga, ON L5N 7X8
salesdesk@bestobell.com
1-800-668-3979
www.bestobell.com

Since 1953, Quality Products to Sense, Measure & Control
Depuis 1953, Produits De Qualités Pour Détecter, Mesurer & Contrôler

Montréal Office
970 Montée de Liesse, #204
St. Laurent, QC H4T 1W7
ventes@bestobell.com
1-877-331-1225

Atlantic Office
166 North Side Road
Riverport, NS B0J 2W0
dmossman@bestobell.com
902-529-0355