



Level



Pressure



Flow



Temperature



Liquid Analysis



Registration



Systems Components



Services



Solutions

TSM 470 Watertight RTD Temperature Sensor- Food

Easytemp[®] RTD sensor is impervious to wash down procedures



Wash downs keep area sterile



Easytemp TSM 470 sensor



Sterile processes provide consumer safety

Product information

The Endress+Hauser TSM 470 temperature sensor is ideal in processes which require wash downs to maintain sterile conditions. Water, pressure, heat and chemicals from sanitary wash down procedures combine to create a highly moist and corrosive environment that can be damaging to traditional temperature sensors and transmitters. Short sensor life, repeated replacement and even potential failures all can be a direct result from this environment.

The new Easytemp TSM 470 is an integral temperature sensor and transmitter that offers a unique solution for wash down environments and many others. The TSM 470 consists of a 4-wire Pt 100 Class A sensor, built-in 4 to 20 mA transmitter, and a Tri-Clamp[®] process connection. Its' integral design offers original equipment manufacturers and plant personnel a low-cost device for temperature monitoring that is resistant to moisture and corrosion.

Featuring quick disconnect for both process and electrical connection, the Easytemp TSM 470 simplifies maintenance and calibration. A simple plug adapter connects the transmitter to a PC for calibration or re-programming

Instrument description

Easytemp TSM 470, 4-wire, Pt100, programmable via PC
Output: 4 to 20, 20 to 4 mA
Measuring range: -60° to +320°F
Finish: electropolished to 150 or 240 grit

470 F: 1" and 1-1/2" or 2" Tri-Clamp[®]
Immersion length: 2 to 30 inches

470 P: 1/2" and 3/4" Tri-clamp[®]
Insertion length: 3/4", 1-1/4", 2-3/4",

Easytemp TSM 470 F and P meet 3-A sanitary standards and are UL recognized to UL 3111-1

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ISO 9001:2000 Certified

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