

Engineering Specification

Sanitary Tri-Clamp[®] Conductivity/Resistivity Sensors (Mettler-Toledo Thornton 233 & 243-Series)

The sanitary conductivity/resistivity sensor shall be manufactured of Type 316L electropolished stainless steel or Grade 2 titanium, as specified. It shall have a mirror-polish finish with roughness average less than 8 microinches (0.2 micrometers) over outer surfaces. The process fitting shall be 1-1/2" or 2" Tri-Clamp[®], as specified. The sensor shall withstand steam sterilization to 155°C. The sensor shall have an electrical connector, either directly on its body or at the end of its cable.

The cell constant shall be individually ISO9001 factory calibrated to ASTM-traceable standards, with final verification in 18+ Megohm-cm pure water. The sensor shall also have its RTD calibrated and be provided with a certificate of calibration for both conductivity and temperature.

The sanitary conductivity/resistivity sensor shall be Mettler-Toledo Thornton 233 or 243-series or approved equal.

Tri-Clamp is a trademark of Tri-Clover, Inc.

For the most current product information visit:

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