

# Life Sciences Instruments



Protect your brand, and your customers, with Tel-Tru.

Tel-Tru supplies quality temperature and pressure monitoring solutions to meet the latest regulatory standards for the life sciences, improving product quality and operational performance.

- Exceptional accuracy and reliability
- Wide range of configurations available
- Fast delivery

**MADE IN**  
**USA**

Common Configurations/Products	3-A Standard 74-07	Process Connection	CIP	Output	Range	Accuracy	Enclosure Rating
 RTD with Integrated Transmitter	Yes	Tri-Clamp®	Yes	4-20 mA	Various from -60 to 320 Custom Ranges Available	±(0.2°F + 0.10% of calibrated span) with two-point calibration	IP67/ NEMA 6
 RTD assembly with FDA Approved Poly Connection Head	Yes	Tri-Clamp	Yes	4-20 mA, 0-5 VDC, HART	Various from -50 to 400) Custom Ranges Available	±(0.2°F + 0.10% of calibrated span) with two-point calibration	IP65
 Sanitary Digi-Tel Digital Thermometer Direct Mount	Yes	Tri-Clamp	Yes	Optional 4-20 mA	-75/750°F	±2°F or optional ±0.5°F (at 0-300°F)	IP66
 Sanitary Digi-Tel Digital Thermometer Remote Mount	Yes	Tri-Clamp	Yes	Optional 4-20 mA	-75/750°F	±2°F or optional ±0.5°F (at 0-300°F)	IP66
 Check-Set II	No	N/A	No	N/A	N/A	±0.2°F (0.1°C)	N/A
 Sanitary Bimetal Thermometer Back Connected Bottom Connected Adjustable Angle	Yes	Tri-Clamp	Yes	N/A	Various (-20/220 to 50/300)	±1% full span per ASME B40.3 Grade A	ASME B40.3

Common Configurations/Products	3-A Standard 74-07	Process Connection	CIP	Output	Range	Accuracy	Enclosure Rating
 Sanitary Pressure Gauge Model 83	Yes	Tri-Clamp, G&H "H" Line Male, Cherry-Burrell Male I-Line, DIN40, DIN 50, SMS38, SMS51	Yes	N/A	0/30 psi up to 0/1000 psi	±0.75% FS	N/A
 Sanitary Pressure Transmitter Model P321	Yes	Tri-Clamp or Cherry-Burrell	Yes	4-20 mA, 0-5 VDC	0/3 up to 0/1,000 psi	±0.25% FSO	NEMA 4X
 Sanitary Pressure Transmitter Model P331	Yes	Mate with Anderson, Cherry-Burrell, or King Gage tank receiver	Yes	4-20 mA, 0-5 VDC, 1-2 mV/V	0/3 psi up to 0/100 psi	±0.25% FSO	NEMA 4X
 Homogenizer Pressure Transmitter Models P341	N/A	Standard Gaulin Homogenizer	N/A	4-20 mA, 0-5 VDC, 1-2 mV/V	0/100 up to 0/20,000 psi	±0.5% FSO	NEMA 4X



#### Sanitary RTDs

- Tri-Clover® fittings and surface finishes meet 3-A Sanitary Standard 74-07 requirements
- Accuracy Class A +/- .06% at 0°C
- Output 4-20 mA on transmitter versions, scaled to user range span requirements



#### Digi-Tel Thermometers

- Accurate to ± .5°F tested and traceable to National Institute of Standards and Testing (NIST)
- Tri-Clover fittings and surface finishes that meet 3-A Sanitary Standard 74-07 requirements
- Output 4-20 mA on transmitter versions, scaled to user range span requirements
- Sealed and tamper-proof probe and sensor assemblies



#### Check-Set Calibrators

- Accuracy ± 0.2°F at set points
- Verify calibration of temperature measurement instruments
- Check instruments at temperatures equal to or close to the critical control points of their processes
- Annual re-certification and maintenance program recommended



#### Sanitary Bimetal Thermometers

- 316SS Tri-Clover Tri-Clamp fittings
- Hermetic Seal per ASME B40.3 dustproof and leakproof
- Accuracy of ±1% full span per ASME B40.3 Grade AA
- All wetted parts, max. 32 micro-inches (.80 microns) on stem, weld radius, and underside of flange, per 3-A Sanitary Standard 74-07

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

Tel-Tru offers warranties on instruments ranging from one to eight years, depending on the specific model.

Warranty information is available online at <http://www.teltru.com/images/document/TermsConditions.pdf>



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