AccuClave® Series

Autoclave Thermocouple System

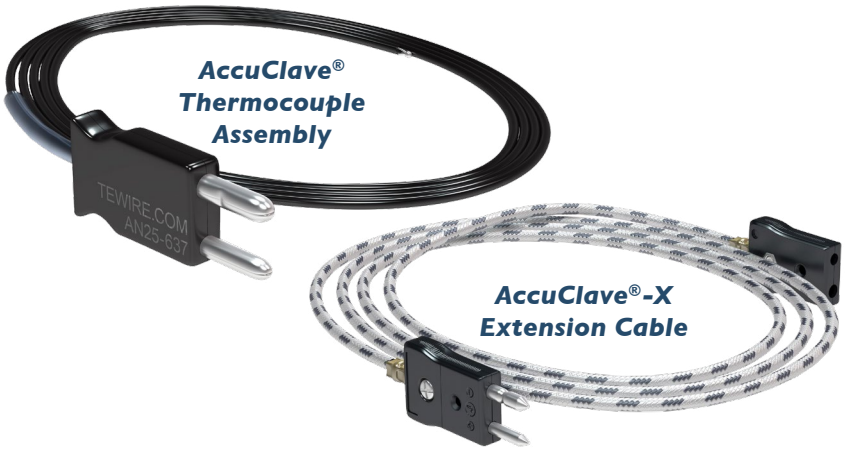
Easy & convenient online traceability.
Patented AccuClave saves time & money.

TRAC
Easiest traceability in the industry!

Product Features

Temperatures up to 300°C/572°F

- Save labor and time during autoclave lay-up, and load and unload cycles.
- Leakproof **AccuClaveThermocouple Assemblies** (patent pending) are inexpensive and can be easily replaced after one or more uses.
- Rugged **AccuClave-X Extension Cables** bridge the long runs between thermocouples and instrumentation or jack panels. They remain in place in the autoclave, and can be used time and time again.
- Savings on replacing long length thermocouples pays back the cost of the AccuClave-X Extension Cables in only a few curing cycles.
- Ready to use, matched AccuClave and AccuClave-X assemblies assure accuracy, performance and reliability for higher autoclave yields.
- AccuClave thermocouple wire is calibrated every 3000 feet (914 meters).
- Every AccuClave thermocouple can now be conveniently traced to its calibration data and manufacturing information. Visit www.tewire.com and click ***TRAC*** AccuClave Tracking. See complete information on the back of this page.



Applications

- Autoclaves
- Composites

Available Options

- J, K and T calibration, Class 1 Special Limits
- Custom constructions available

Product Specifications

AccuClave

- Standard length 3 feet (0.9 meters)
- Standard construction is flame retardant extruded FEP (+200°C/+400°F continuous). Also available in PFA (+260°C/+500°F continuous) and (+300°C/+572°F continuous)
- Conforms to ASTM E230/E230M, IEC 60584, and BAC 5621
- Traceability code (TRAC) permanently laser etched on connector

AccuClave-X

- Available in standard lengths of 10, 20 & 30 feet (3.0, 6.1 & 9.1 meters)
- Rugged construction of stranded wire (for flexibility), braided fiberglass jacket, and clear fluoropolymer PFA outer jacket
- Available configurations: male to female, male to male, female to female
- Conforms to ASTM E230/E230M, IEC 60584 and BAC 5621
- Traceability code (TRAC) permanently laser etched on connector

QuickQuote

Request Sample

TE Wire & Cable is an ISO 9001:2015 Certified company. Many TE Wire & Cable products are certified to conform to national and international standards including: ASTM E230/E230M, Boeing BAC5621; GE ST2155; AMS 2750 E; NIST; MIL STD 45662A; MIL STD 105, IEC 60584 and many others.

TE Wire & Cable's calibration laboratory is ISO/IEC 17025:2005 accredited by A2LA. AccuClave® is a registered trademark of TE Wire

Note: Minimum order quantities may apply to custom orders.

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AccuClave® Series Standard Products

AccuClave® Jacket	Gauge	Calibration	Standard Lengths
FEP (TE/D) or PFA (HTE/D)	24 AWG	J, K & T Class 1/Special limits	0.9 m (3 feet), 4.6 m (15 feet), 9.1 m (30 feet)
FEP (TE/D) or PFA (HTE/D)	28 AWG	J, K & T Class 1/Special limits	0.9 m (3 feet), 4.6 m (15 feet), 9.1 m (30 feet)

AccuClave-X Extension Cable products are available in lengths of 10, 20 and 30 feet. Standard products lists are available from TE Wire & Cable, your TE Wire & Cable representative, or check our web site **www.tewire.com**. Many AccuClave standard products are available for immediate shipment from stock.

About TE Wire & Cable's AccuClave and AccuClave-X System

TE Wire & Cable's AccuClave Series performance matched thermocouple system is designed to save you time and money, and at the same time provide accuracy, dependability, reliability, compliance and traceability.

AccuClave Series products are used extensively in autoclaves for the aircraft composite industry and in critical applications where all these factors are essential. They are available in J, K or T Class 1/Special Limits. BAC 5621 compliant.

AccuClave Series provide a major advantage when used in autoclaves and other applications where long thermople runs and multiple thermocouples are required. The rugged AccuClave-X Extension Cable spans the wire runs between instrumentation systems and AccuClave thermocouples. When required, the short, inexpensive AccuClaveR thermocouple can simply be unplugged and replaced with a new AccuClave thermocouple — no need to replace the AccuClave-X Extension Cable. In doing so you spend less time, less in materials, and have less down time.

TE Wire & Cable's calibration laboratory is ISO/IEC 17025:2005 accredited by A2LA.

The AccuClave thermocouple assembly is patent pending.

Traceable Records of AccuClave Calibration – an exclusive TE Wire & Cable feature

TRAC

All AccuClave and AccuClave-X products have a traceability code permanently etched on their connectors. To retrieve information regarding a specific product, visit **www.tewire.com** and click on ***TRAC***, located on page headers. Enter the 8-character ***TRAC*** code appearing on your connector. Correction factor calibration data will appear for each temperature for which the wire was calibrated. In addition you will be able to determine the part number, product description, calibration date, production date, and the TE Wire & Cable manufacturing work order code.

AccuClave Technical Information

Initial calibration tolerances per ASTM E230/E230M

TC Wire	Grade Designation	Grade Limits*
J	JJ (Class 1)	±1.1°C (2.0°F) or ±0.4%
K	KK (Class 1)	±1.1°C (2.0°F) or ±0.4%
T	TT (Class 1)	±0.5°C (0.9°F) or ±0.4%

*Whichever is greater

Nominal Wire Dimensions

Conductor Size		Insulation		Outer Diameter	
AWG	MM	In.	MM	Inches	MM
24	0.51	.010	.25	.040 x .080	1.0 x 2.0
28	0.32	.010	.25	.032 x .066	.81 x 1.7

TE Wire & Cable LLC

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