



AquaTuff™ Thermocouple Instruments

AquaTuff™ Wrap&Stow™ Thermocouple Instruments have a unique memory chip that stores calibration settings. They are highly accurate, NIST traceable and most importantly, as the AquaTuff™ name implies, extremely durable and IPX7 waterproof rated for even greater reliability in harsh environments. Integral probe and cable storage enclosure designs are available where the probe is factory calibrated to the instrument. The AquaTuff™ 35100-K or 35200-K allow for maximum versatility since the instrument can be used with any Type K Thermocouple probes.

35100-K
AquaTuff™



35132
AquaTuff™ Wrap&Stow™
with DuraNeedle™ Probe



35135
AquaTuff™ Wrap&Stow™
with Angled Surface Probe



35140
AquaTuff™ Wrap&Stow™
with MicroNeedle Probe



9319-NIST and 9321-NIST Provers
Test and validate the calibration accuracy of Type K Thermocouple Instruments. The 9319 simulates three preset Fahrenheit temperatures of 32°F, 100°F, or 160°F. The 9321 simulates four preset Celsius temperatures of -25°C, 0°C, 20°C, or 60°C.

- 1 year warranty
- Certificate of Calibration Traceable to NIST



AquaTuff™ 351 Series

	35100-K	35132	35135	35140
Temperature Range:	-100° to 999°F (-73° to 537°C)	-100° to 500°F (-73° to 260°C)	-100° to 500°F (-73° to 260°C)	-100° to 500°F (-73° to 260°C)
Accuracy:	±0.5°F (±0.3°C)	±0.9°F (±0.5°C) [1] Total System	±0.5°F (±0.3°C) [4]	±0.9°F (±0.5°C) [1] Total System
Resolution:	0.1°	0.1°	0.1°	0.1°
Housing:	ABS	ABS	ABS	ABS
Hold:	No	No	No	No
Backlight:	No	No	No	No
Waterproof:	Yes	Yes	Yes	Yes
Power:	(2) 1.5V AAA	(2) 1.5V AAA	(2) 1.5V AAA	(2) 1.5V AAA
Battery Life:	1800 hours	1800 hours	1800 hours	1800 hours
Auto Off:	10 min.	10 min.	10 min.	10 min.
Wall Mounting Bracket:	Optional	Optional	Optional	Optional
Weight:	5 oz (142 g)	7 oz (199 g)	8 oz (227 g)	7 oz (199 g)
Regulatory Listings:	CE (NSE) RoHS	CE (NSE) RoHS	CE (NSE) RoHS	CE (NSE) RoHS
Warranty:	5-year	5-year inst. / 1-year probe	5-year inst. / 1-year probe	5-year inst. / 1-year probe

NOTE:

Refer to page 9 for information on EconoTemp™ Series instruments.

All EconoTemp™ Series and AquaTuff™ Series units are NIST traceable.

[1] Total System Accuracy™ (probe and instrument) over entire range.

[2] Tenth degree from -40° to 495°F (-40° to 257°C); whole degree remainder of range.

[3] Tenth degree / whole degree resolution, selectable.

[4] Accuracy spec for instrument only. Surface probe temperature error for flat, clean, oiled surfaces with 1kg pressure are typically within +1.5°C and -3.5°C without thermostat cycling.