3 Specifications and Environmental Conditions

3.1 Specifications

The following table lists the specifications for this instrument. Accuracy specifications are applicable for a one-year calibration interval. In line with normal prudent metrology practices,

A short-cycle interval of six months is recommended for new units during the first year.

Table 2 *Specifications*

	LTR –25/140	LTR –40/140
Range	–25°C to 140°C (–32°C to 284°F) at 23°C (73°F)	–40°C to 140°C (–40°F to 285°F) at 23°C (73°F)
Accuracy	±0.2°C (0.36°F)	
Stability	±0.02°C (0.06°F)	
Well to Well Uniformity (calibration wells)	±0.05°C (0.09°F) within 25°C of ambient	
Well Depth	6" (152 mm)	
Heating Time	15 minutes: 25°C to 140°C	
Cooling Time	10 minutes: 25°C to –20°C	
Test Wells	Two 1/4" dia., six 9 mm dia.	
Resolution	0.01°C or 0.01°F	
Display	LED, °C or °F, user selectable	
Size	13" H x 7.8" W x 11.9" D (342 x 198 x 302 mm)	
Weight	30 lb. (13.6 kg)	
Power	115 VAC (±10%), 3 A, 50/60 Hz, 230 VAC (±10%), 1.5 A, 50/60 Hz, 350 watts	
Operating Range	5–50°C (41–122°F)	
Controller	Hybrid analog/digital controller with data retention	
Safety	OVERVOLTAGE (Installation) CATEGORY II, Pollution Degree 2 per IEC1010-1	
Fault Protection	Sensor burnout protection, over-temperature cutout, and electrical fuses	
Fuses	115V - 3A T, 250 V 230V - 1.6A T, 250 V	115V - 4A T, 250 V 230V - 3.15A T, 250 V