

Hart Scientific 1502A

Specifications

Temperature Range†	–200°C to 962°C (–328°F to 1764°F)
Resistance Range	0W to 400W, auto-ranging
Probe	Nominal RTPW: 25W to 100W RTD, PRT, or SPRT
Characterizations	ITS-90 subranges 4, 6, 7, 8, 9, 10, and 11
IPTS-68	R0, a, d, a4, and c4
Callendar-Van Dusen	R0, a, d, and b
Resistance Accuracy(ppm of reading)	0W to 20W: 0.0005W 20W to 400W: 25 ppm
Temperature Accuracy†, typical (meter only)	±0.004°C at –100°C ±0.006°C at 0°C ±0.009°C at 100°C ±0.012°C at 200°C ±0.018°C at 400°C ±0.024°C at 600°C
Operating Temperature Range	16°C to 30°C
Resistance Resolution	0W to 20W: 0.0001W 20W to 400W: 0.001W
Temperature Resolution	0.001°C
Excitation Current	0.5 and 1 mA, user selectable, 2 Hz
Measurement Period	1 second
Digital Filter	Exponential, 0 to 60 seconds time constant (user selectable)
Probe Connection	4-wire with shield, 5-pin DIN connector
Communications	RS-232 serial standard IEEE-488 (GPIB) optional
Display	8-digit, 7-segment, yellow-green LED; 0.5-inch-high characters
Power	115 VAC (±10%), 50/60 Hz, 10 A, nominal 230 VAC (±10%), 50/60 Hz, 10 A, nominal, specify
Size	5.6" W x 7.1" D x 2.4" H (143 x 181 x 61 mm)
Weight	2.2 lb. (1.0 kg)
†Temperature ranges and accuracy may be limited by the sensor you use.	