

Surface Probe Tester



CL1600 Series



Standard

**Large Usable
Hot Surface Area**
[120.45 cm²
(18.6 in²)]



**Rugged,
Compact and
Portable!**

CL1600-120VAC shown smaller than actual size.

- ✓ Temperature Range From 35 to 450°C (95 to 842°F)
- ✓ Highly Stable
- ✓ Fast Heat Up
- ✓ Built-In Digital PID Auto-Tune Temperature Controller with Temperature Readout
- ✓ RS232 Output Standard
- ✓ NIST Traceable Calibration Certificate Included

The OMEGA® CL1600 surface probe tester is a system designed to check and verify surface probe readings across a wide range of temperatures, from 35 to 450°C (95 to 842°F). The CL1600 allows periodic in-house testing and provides preventive maintenance for all your surface sensors. A large diameter, mirror like, high grade aluminum alloy hotplate design, provides stability while maintaining quick, uniform heat-up on the entire system.

Specifications

Target Plate: 124 mm diameter (4.875")

Temperature Range: 35 to 450°C (95 to 842°F)

Plate Uniformity/Accuracy:
 ±0.4°C @ 100°C ±1.4°C @ 400°C
 ±0.8°C @ 200°C ±1.7°C @ 450°C
 ±1.2°C @ 300°C

Display Resolution: ±2.0°C

Readout: °C or °F switchable

Ambient Conditions: 25 to 40°C (77 to 113°F), 0 to 90 RH non-condensing

Heating Time: 30 minutes from 35 to 450°C (95 to 842°F)

Cooling Time: 90 minutes

Stabilization Time: 15 minutes

Temperature Sensor: Class A 100 Ω Pt RTD



OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.

Power: 115 or 230 Vac (see note below for included power cords)

Dimensions: 216 W x 279 L x 102 mm H (8.5 x 11 x 4")

Weight: 3.4 kg (7.5 lb)



CL1600-120VAC shown with 88106K surface probe and HH-22A handheld meter.

To Order Visit omega.com/cl1600 for Pricing and Details

Model No.	Description
CL1600-120VAC	Surface probe tester, 120 Vac
CL1600-240VAC	Surface probe tester, 240 Vac

Accessories

Model No.	Description
HH-22A	Handheld meter with 2 inputs, J/K switchable
88106K	Right angle surface probe Type K, 760°C (1400°F) max

Comes complete with 2 power cords; one for each 120 Vac operation and one with stripped leads for 240 Vac operation, NIST calibration certificate, and operator's manual.

Ordering Example: CL1600-120VAC, surface probe tester, HH-22A, handheld meter, and 88106K, right angle surface probe.

OCW-1, OMEGACARESM extends standard 1-year warranty for total of 2 years.