

Next Generation SUPERMETER[®]

With Patented Laser Sighting

Non-Contact Temperature Measurement

3 METERS IN 1

- Full Function Auto-Ranging Digital Multimeter
- Infrared Pyrometer with Patented Switchable Laser Circle/Dot Sighting
- Dual Input Thermometer with Differential Temperature Function

True RMS Measurement!

NOW! WOW!
HHM290
\$245

CAUTION! – This product is not intended for medical use or use on humans



Patented User Switchable Laser Sighting!

High Intensity Laser Dot

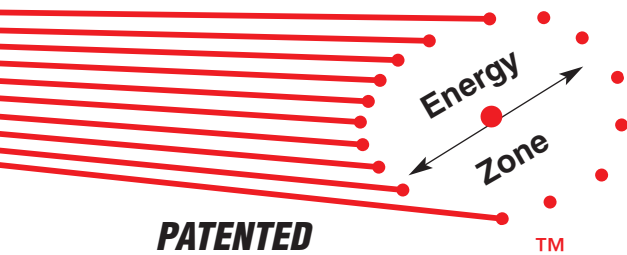
Range: Up to 12 m (40')

Laser Circle

Range: Up to 4.6 m (15')

Switch From High Intensity Laser Dot

To Laser Circle (Energy Zone)



PATENTED

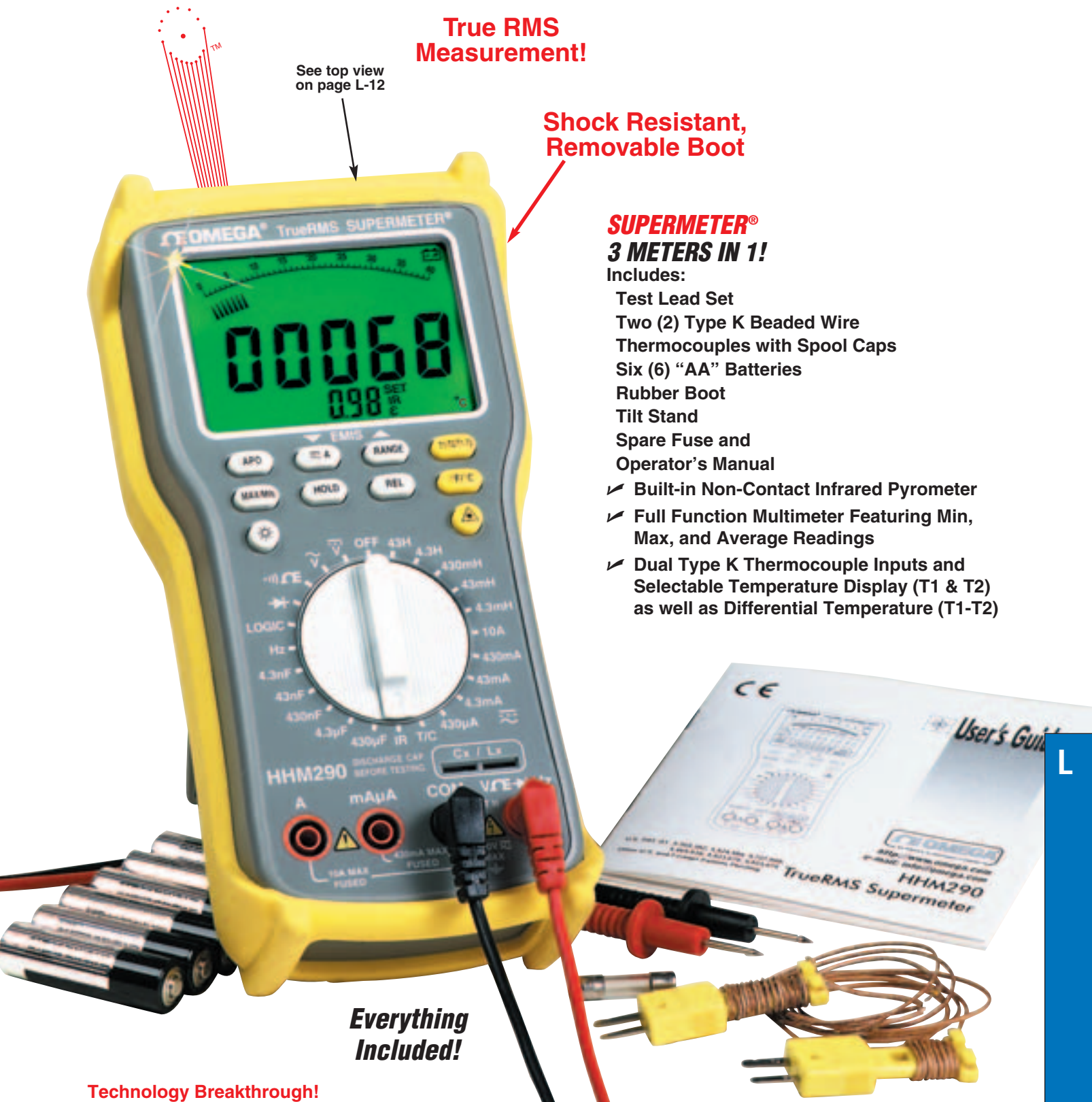
Covered by U.S and International patents and pending applications

Non-Contact Temperature Measurement

Differential Temperature Measurement



6 "AA" batteries included



True RMS Measurement!

See top view on page L-12

Shock Resistant, Removable Boot

**SUPERMETER®
3 METERS IN 1!**

Includes:

- Test Lead Set
- Two (2) Type K Beaded Wire Thermocouples with Spool Caps
- Six (6) "AA" Batteries
- Rubber Boot
- Tilt Stand
- Spare Fuse and Operator's Manual
- ✓ Built-in Non-Contact Infrared Pyrometer
- ✓ Full Function Multimeter Featuring Min, Max, and Average Readings
- ✓ Dual Type K Thermocouple Inputs and Selectable Temperature Display (T1 & T2) as well as Differential Temperature (T1-T2)

Everything Included!

Technology Breakthrough!

"It's a technician's dream come true!" OMEGA's new, patented, "all-in-one" SUPERMETER® Model HHM290 combines the power of a True RMS full function Multimeter, non-contact Infrared Pyrometer with laser sighting and a dual input Type K Thermocouple meter with a differential measurement feature into one power-packed handheld instrument. The Multimeter measures: DC/AC Voltage, Current,

Resistance, Frequency, Capacitance and features a built-in Logic & Diode tester. The Infrared Pyrometer offers adjustable emissivity, a wide temperature range, a 10:1 field of view and a laser sighting selector switch used to select between "a single laser dot" for hot spot locating and "a laser circle pattern" that outlines the optical field of view for average area measurement. The large backlit LCD

display features simultaneous readings in both digital and analog bargraph format with settings for Min/Max and Average readings. Each unit features Auto power-off, fused multimeter inputs, both battery or optional AC wall adapter operation and comes complete with safety test leads, dual Type K temperature probes, rubber protective boot, batteries, spare fuse, user's manual and is CE marked.

Specifications

General

Operating Temperature:

0 to 40°C (32 to 104°F)

Power: 6AA size 1.5 Vdc Batteries (included) or optional DC Adaptor, 9 Vdc @ 200 mA

Display: Dual Backlit LCD with digital readout of 43,000 counts and analog bar graph of 40 counts.

Display Resolution:

Range	Display Resolution
0-4.3	0.0001
0-43	0.001
0-430	0.01
0-4300	0.1
0-43000	1

Low Battery Indication:

Icon on LCD

Battery Life: 100 hours normal operation No Laser or LCD Backlit

Tripod Mount: ¼"-20 UNC

Dimensions: 203 x 101 x 51 mm (8 x 4 x 2")

Weight: 640 g (1.42 lb)

Switch from High Intensity Dot!



Temperature Measurement

Thermocouple Type: Dual Type K

Display: T1, T2, or T1-T2

Accuracy: 2% Rdg or 2°C

Measurement Range: -200 to 1372°C (-328 to 1999°F)

Infrared Measurement

Measurement Range: -20 to 550°C (-4 to 1022°F)

Accuracy @22°C: 2% of Rdg or 1.7°C, whichever is greater

IR Resolution: 1°C or °F

Optical Field of View: 10 to 1

Spectral Response:

8 to 14 microns

Emissivity:

0.1 to 1.00

adjustable

Response Time:

≤1.5 seconds

Laser Sighting

Wavelength (Color): 630 to 670 nm, (Red)

Operating Distance:

Laser Dot – Up to 12 m (40')

Laser Circle – Up to 4.5 m (15')

Maximum Optical Power Output:

<1 mW. Class II Laser Product

Laser Indicator: Laser icon on the display

Multimeter

DC VOLTS

Range: 430 mV to 1000 V

Accuracy: 0.25% Rdg + 1 Digit

AC VOLTS

Range: 430 mVac to 750 Vac

Accuracy: 1% Rdg + 2 Digits

DC CURRENT

Range: 430 uA to 10 A

Accuracy:

0.5% Rdg + 1 Digit (Up to 43 mA)

2% Rdg + 1 Digit (Up to 10 A)

AC Current

Range: 430 uA to 10 A

Accuracy:

1% Rdg + 2 Digits (Up to 43 mA)

2.5% Rdg + 2 Digits (Up to 10 A)

Resistance

Range: Up to 43 MΩ

Accuracy: 0.3% Rdg + 3 Digits

(Up to 4.3 MΩ)

Frequency

Range: Up to 500 kHz

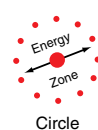
Accuracy: 1% Rdg + 3 Digits

Capacitance

Range: 4.3 nF to 430 uF

Accuracy: 5% Rdg + 10 Digits

Switch from Circle!



Differential Temperature Sensors Included

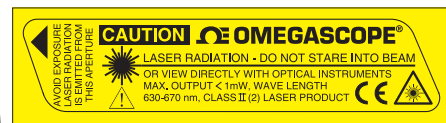


Shown with Tilt Stand and Rubber Boot (Included)



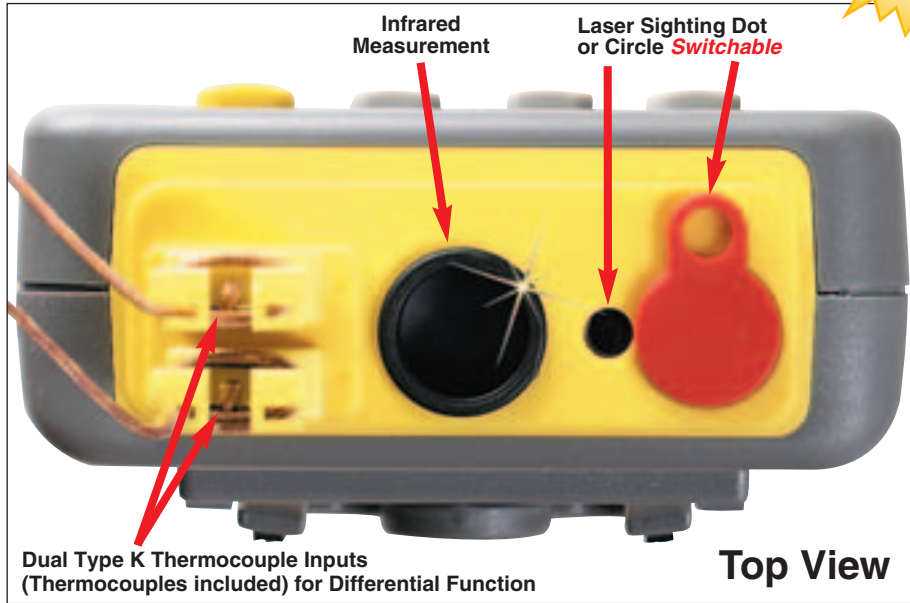
Optional ac Power Adaptor (See "To Order" on next page)

Tripod Mountable

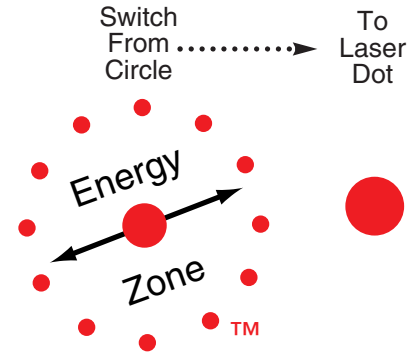


SUPERMETER® 3 METERS IN 1!

**Immediate
Delivery
Available**



Patented Laser Sighting Circle or Dot Switchable

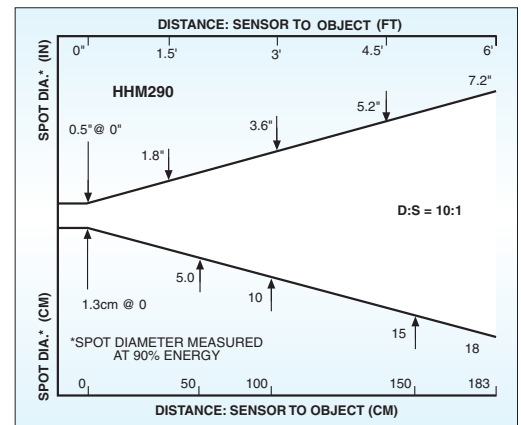


PATENTED

Covered by U.S and International patents and pending applications

- ✓ Built-in Non-Contact Infrared Pyrometer
- ✓ Full Function Multimeter Featuring Min, Max, and Average Readings
- ✓ Dual Type K Thermocouple Input and Temperature Display (T1 & T2) as well as Differential Temperature (T1-T2)
- ✓ Built-in Patented Laser Circle Sighting for Infrared Measurement
- ✓ Digital Emissivity Adjustment from 0.1 to 1.00 in 0.01 Steps
- ✓ Optical Field of View of 10:1 (Distance to Spot Size)
- ✓ High Performance, Rugged Design with Large Backlit LCD Display
- ✓ Measures Voltage, Current, Resistance, Capacitance, Inductance, and Frequency
- ✓ Built-in Diode and Logic Test
- ✓ Battery Powered as well as AC Powered Using an Adaptor
- ✓ Auto Power Shut Off Feature
- ✓ Tripod Mount and a Built-in Rubber Boot

10:1 Field of View



AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model Number	Price	Description
HHM290	\$245*	Digital multimeter/infrared thermometer with laser sighting Dot/Circle Switch
Options and Accessories		
HHM290-SC	15	Soft carrying case
HHM-TL	5	Replacement test leads (1set)
OS520-Adaptor-110V	25	110 Vac adaptor
OS520-Adaptor-220V	25	220 Vac adaptor
KTSS-HH	29	General purpose, immersion probe, type K
88001K	110	General purpose surface probe, type K
CAL-3-IR†	125	NIST traceable calibration
TRIPOD	45	Lightweight tripod with soft carrying case



†Consult Sales for prices on additional calibration services

Each unit comes complete with rubber boot, two (2) type K beaded wire thermocouples, 6 AA alkaline batteries, test leads and operator's manual.

Ordering Example: HHM290, Digital multimeter/infrared thermometer with laser sighting \$345-\$100 instant rebate = \$245, HHM290-SC, soft carrying case, \$15, KTSS-HH, general purpose immersion probe, \$29, CAL-3-IR, NIST traceable calibration, \$125, and TRIPOD, \$45, \$245 + 15 + 29 + 125 + 45 = \$459.