

# SUPERMETER® Full Function Auto-Ranging Digital Multimeter/Thermometer

with Built-In Non-Contact Infrared, Temperature Measurement and Laser Dot/Circle Sighting

Model HHM29B-IR

**\$295**  
Basic Unit



- ✓ High Performance Digital Design with Large Backlit LCD Display
- ✓ Full Function Multimeter Features Min, Max and Average Readings
- ✓ Built-In Infrared Temperature Measurement with Laser Dot Circle Sighting
- ✓ K Thermocouple Output of IR Measurement for Recording or Datalogging
- ✓ Measures Voltage, Current, Resistance, Capacitance, Inductance and Frequency
- ✓ Accepts Type-K Thermocouples for Temperature Measurements
- ✓ Target Emissivity Adjustable from .1 to 1.0
- ✓ Special Diode and Logic Test Capability Built-in

Shown smaller than actual size



**Limited Quantities Available**



The HHM29B-IR is a low cost digital multimeter/thermometer. It has a built-in infrared sensor and laser sighting for non-contact temperature measurement. The optical field of view is 20 to 1. This multimeter also measures and displays voltage, current, resistance, inductance, capacitance and frequency. It also has a type K thermocouple input for temperature measurement. Special features include min, max and average reading, manual/auto range and a built-in timer.



Test Leads Included

Several U.S. and Foreign Patents and Patents Pending

## Specifications

### General:

**Display:** LCD, Max., reading 4300

**Measurement Rate:** 2.5 samples per second

**Operating Temperature:** 0 to 40 °C @ less than 70% relative humidity

**Storage Temperature:** -20 to 60°C

**Auto Power Off:** 30 minutes after last push button or rotary switch

**Power:** One 9 volt Alkaline, two 1.5 volt, AA size, Lithium  
**Battery Life:** 150 hours typical, with no laser

**Low Battery:** Display icon and buzzer for the infrared measurement

**Dimension:** 7.9 x 3.5 x 2.3" (200 x 90 x 59 mm)

**Weight:** 1.3 lb. (600 g)

### INFRARED

**Temperature Range:**

-18 to 538°C (0 to 1000°F)

**Accuracy:** 3% rdg + 3 digits;

93 to 538°C (200 to 1000°F),

3% rdg + 4 digits,

-18 to 93°C (0 to 200°F)

**Resolution:** 1°C or °F

**Field of View:** 20 to 1

**Spectral Response:**

8 to 14 micron

**Emissivity:** 0.1 to 1.00 adjustable

**Laser Sighting:** Laser Dot/Circle

**Laser Wavelength:** 650-670 nm, red

**Laser Operating Distance:**

.6 to 23 m (2 to 75 feet)

**Safety Classification:** Class 3A

### DC VOLTS

**Range:** 430 mV to 1000V

**Accuracy:** 0.25% rdg + 1 digit

**Resolution:** 100 µV

### AC VOLTS

**Range:** 430 mV to 750 V

**Accuracy:** 1% rdg + 2 digits

**Resolution:** 100 µV

### DC CURRENT

**Range:** 430 µA to 10 A

**Accuracy:**

0.5% rdg + 1 digit (up to 43 mA),

2% rdg + 1 digit (up to 10 A)

**Resolution:** 100 nA

### AC CURRENT

**Range:** 430 µA to 10A

**Accuracy:**

1% rdg + 2 digits (up to 43 mA),

2.5% rdg + 2 digits (up to 10A)

**Resolution:** 100 nA

### RESISTANCE

**Range:** 430 Ohms to 43 M-Ohms

**Accuracy:** 0.3% rdg + 3 digits

(up to 4.3 M-Ohms)

**Resolution:** 100 MΩ

### TEMPERATURE

**Input:** Type-K Thermocouple

**Range:** -4 to 2498°F (-20 to 1370°C)

**Accuracy:**

2% rdg + 3 digits (up to 500°C)

**Resolution:** 1°C or 2°F

### CAPACITANCE

**Range:** 4.3 nF to 430 µF

**Accuracy:** 5% rdg + 10 digits

**Resolution:** 1 pF

### INDUCTANCE

**Range:** 4.3 mH to 43 H

**Accuracy:** 5% rdg + 10 digits

**Resolution:** 1 µH

### FREQUENCY

**Range:** 430 Hz to 430 kHz

**Accuracy:** 1% rdg + 3 digits

**Resolution:** 0.1 Hz

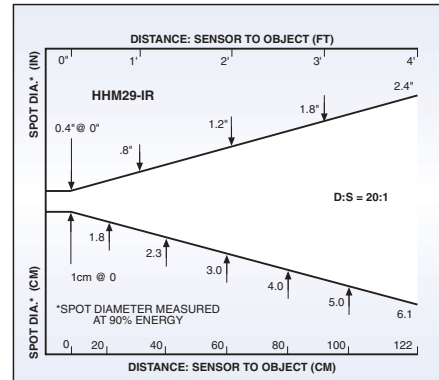
### OTHER FUNCTIONS

**Continuity:** Audible indication

**Diode Test:** Standard

**Logic Test:** Standard

We make running changes when technical advances allow. Check at time of ordering for additional features.



AVOID EXPOSURE LASER RADIATION IS EMITTED FROM THIS APERTURE

**DANGER**

**LASER RADIATION**

AVOID DIRECT EYE EXPOSURE, CLASS IIIa LASER PRODUCT COMPLIES WITH 21 CFR CHAPTER 1 SUBCHAPTER J. MAX. OUTPUT: 5mW, WAVE LENGTH 670 nm

**LASER RADIATION**

DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. CLASS 3A LASER PRODUCT CONFORMS TO IEC825-1:1993



Laser Circle/Dot in one

Built-In IR Sensor with Patented Laser Sighting

Large Backlit LCD Display

Type K Thermocouple Probe Input

## To Order (Specify Model Number)

Model Number	Price	Description
HHM29B-IR	\$295	Digital multimeter/infrared thermometer with laser sighting

Each unit comes complete with type K beaded wire thermocouple, 9 V and 2 AA lithium batteries, test leads and operator's manual.

**Ordering Example:** HHM29B-IR, Digital multimeter/infrared thermometer with laser dot sighting \$295. SC-SM, soft carrying case \$12, KTSS-HH, general purpose immersion probe \$29, \$295 + 12 + 29 = \$336.

## Accessories

☐ MOST POPULAR ACCESSORIES HIGHLIGHTED!

Model Number	Price	Description
SC-SM	\$12	Soft carrying case
HHM-TL	5	Replacement test leads (1set)
KTSS-HH	29	General purpose type-k probe (picture below)



Several U.S. and Foreign Patents and Patents Pending



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