SUPERMETER®

With Patented Laser Sighting

Non-Contact Temperature Measurement

3 METERS IN 1

True RMS Measurement!

NOW! *WOW!*

HHM290

$245

1 YEAR WARRANTY

UNIQUE FEATURES!

- Built-in Infrared Pyrometer with Switchable Laser Dot/Circle Sighting
- Adjustable Emissivity with 10:1 Field of View
- Full Function Auto-Ranging Digital Multimeter
- Measures Capacitance, Inductance, and Frequency
- Dual Thermocouple Input with Differential Temperature Function
- Powers from 6 "AA" Batteries or DC Adaptor
- Built-In Tripod Mount
- Monitors Min, Max, Avg Readings
- Rugged Housing with Removable Boot

Laser Circle to Dot Switchable™

Built-In Laser Sighting

High Intensity

Energy Zone™

Single Dot Circle

Energy Zone™

PATENTED

Covered by U.S. and International patents and pending applications

Non-Contact Temperature Measurement

Differential Temperature Measurement



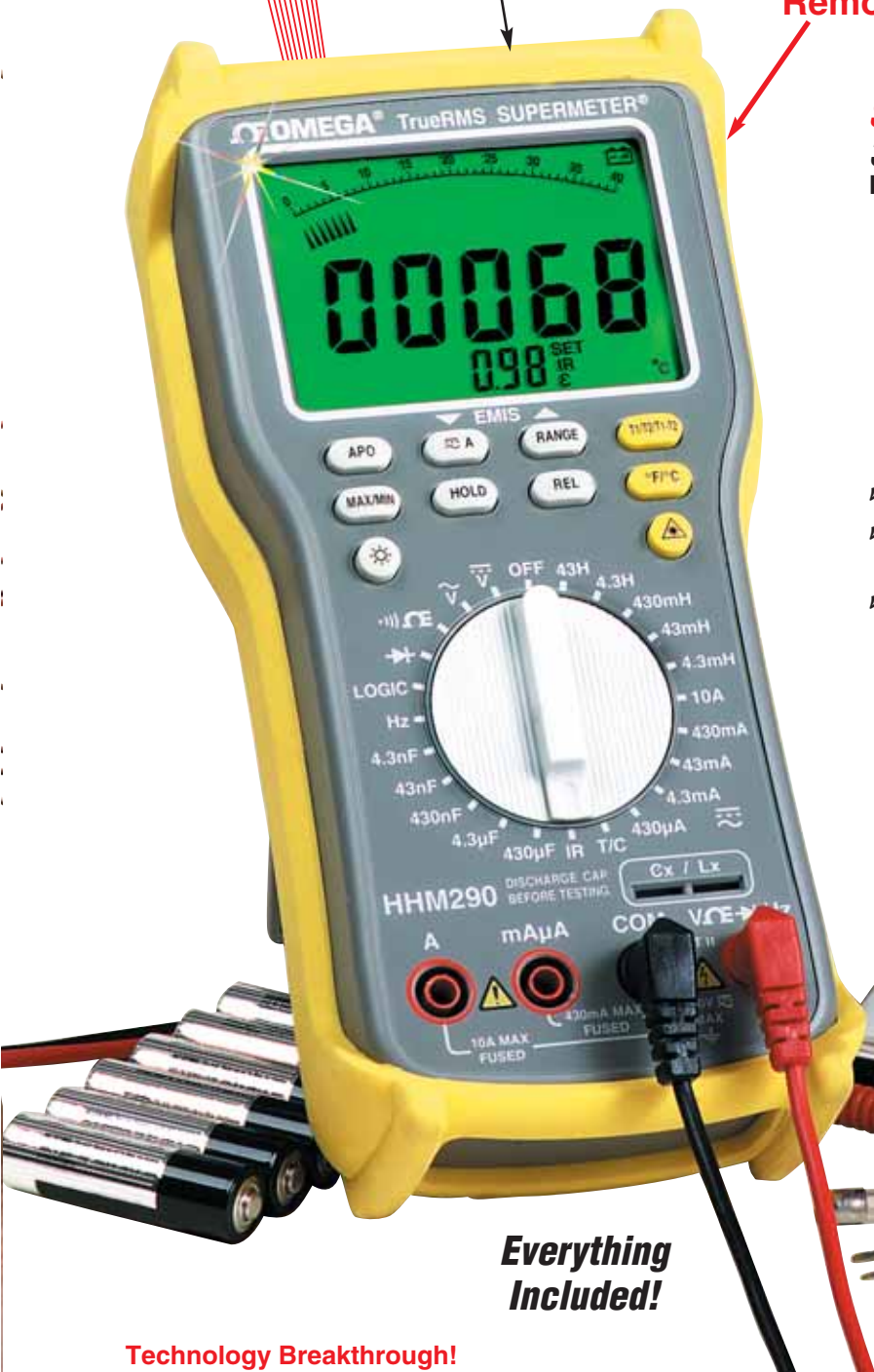
6 "AA" batteries included.

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

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)

Multimeter

DC VOLTS
Range: 430 mV to 1000 V
Accuracy: 0.25% Rdg + 10 Digits
AC VOLTS
Range: 430 mVac to 750 Vac
Accuracy: 1% Rdg + 20 Digits
DC CURRENT
Range: 430 uA to 10 A
Accuracy:
0.5% Rdg + 10 Digits (Up to 43 mA)
1.5% Rdg + 3 Digits (Up to 10 A)

AC Current

Range: 430 µA to 10 A
Accuracy:
1% Rdg + 20 Digits (Up to 430 mA)
2.5% Rdg + 20 Digits (Up to 10 A)

Resistance

Range: Up to 41 MΩ
Accuracy: 0.3% Rdg + 20 Digits (Up to 4.3 MΩ)

Frequency

Range: Up to 500 kHz
Accuracy: 0.1% Rdg + 3 Digits

Capacitance

Range: 4.3 nF to 430 µF
Accuracy: 5% Rdg + 100 Digits

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

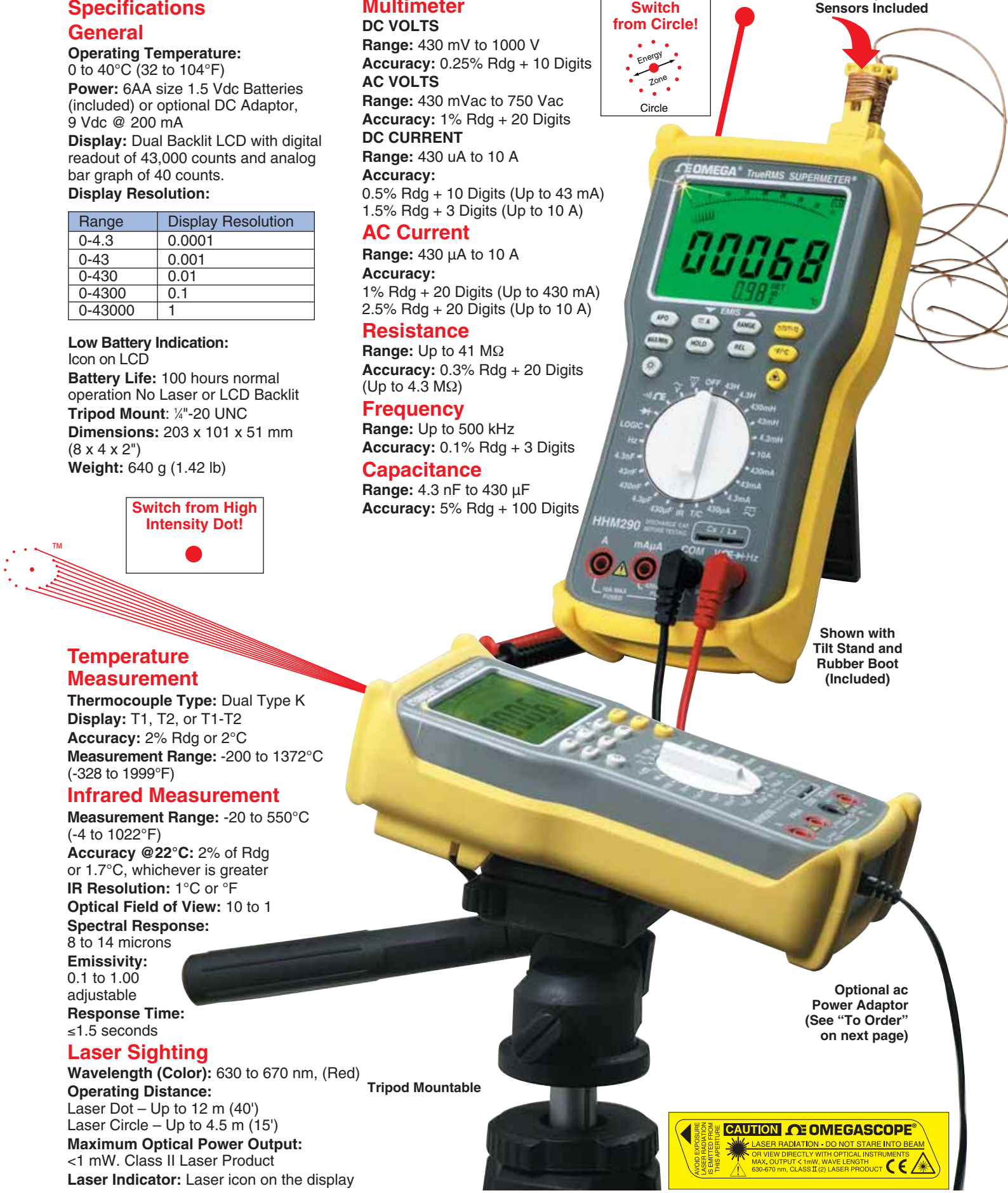
Laser Sighting

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

Switch from Circle!
Energy Zone
Circle

Differential Temperature Sensors Included

Switch from High Intensity Dot!



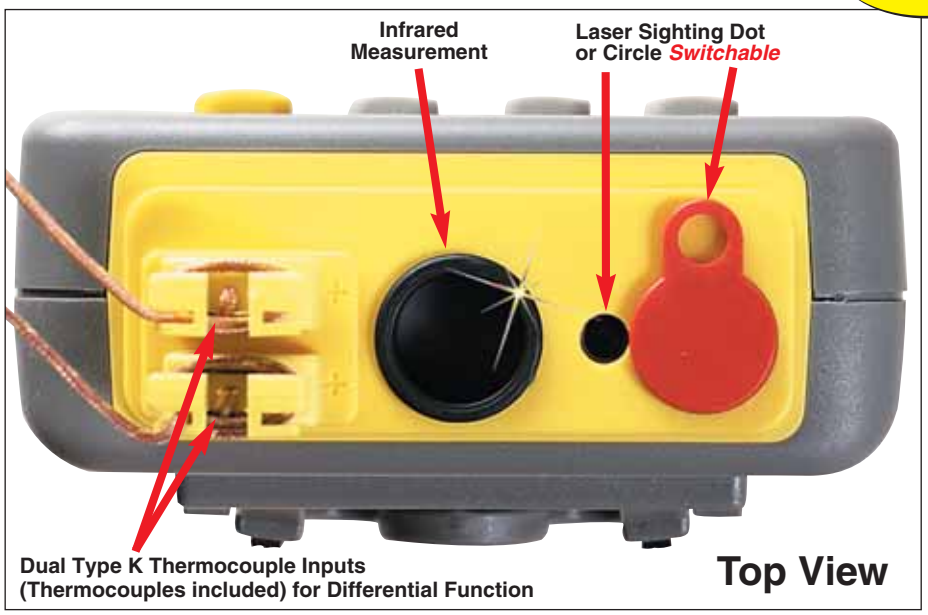
Shown with Tilt Stand and Rubber Boot (Included)

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

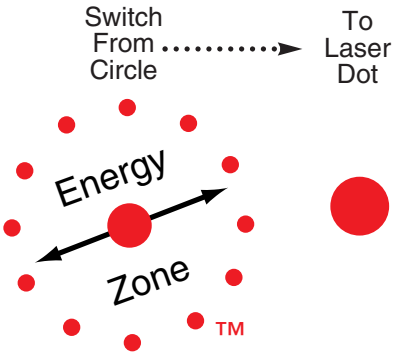
Tripod Mountable

SUPERMETER®
3 METERS IN 1!

Immediate Delivery Available



Patented Laser Sighting Circle or Dot Switchable

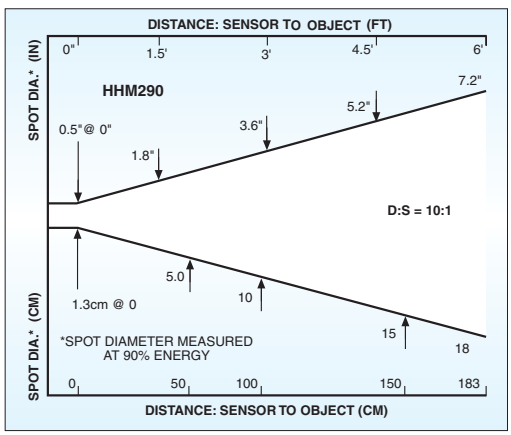


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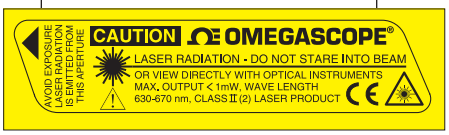
- **Built-in Non-Contact Infrared Pyrometer**
- **Full Function Multimeter Featuring Min, Max, and Average Readings**
- **Dual Type K Thermocouple Input and Temperature Display (T1 & T2) as well as Differential Temperature (T1-T2)**
- **Built-in Patented Laser Circle Sighting for Infrared Measurement**
- **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**.*

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• Temperature

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