AC/DC MicroCurrent Probes

HHM80 Series

\$559

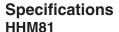
All Models



- Measures Extremely Low-Level DC, True RMS AC and DC + AC Currents from 100 μA
- ✓ Outputs Signal Proportional to Total Current (DC + AC)
- Low Noise
- Ultra-Compact Size and Non-Contact, Clamp-On Convenience
- ✓ Simple Plug-In Operation
- Designed for Use With Digital Multimeters and Oscilloscopes
- ✓ Accurate Display of Wave Forms
- No Range or Mode (AC/DC) Switching Required
- ✓ Extended Battery Life
- Red LED Indicates Momentary or Continuous Overload
- Green LED Indicates Power and Battery Condition

Unlike traditional non-contact current probes, the HHM80 Series AC/DC MicroCurrent probes use the latest current measurement technology to give you accurate readings as low as 100 μ A, with clamp-on convenience.

Whether you are designing electronic circuits or measuring 4 to 20 mA process loops, there is no room for error. Until now, accurate non-contact, low-current measurements were nearly impossible, let alone trying to take them in tight spaces. The HHM80 Series features an ultra-compact design that will accurately measure low DC and AC currents in the hardto-reach places found in today's circuitry, networks, 4 to 20 process control loops, and control panels. To observe your readings in real time. simply plug the HHM80 into your digital multimeter or oscilloscope and read directly.



Current Range:

0 to ± 4.5 A DC, 0 to 3 A rms **Output:** 1 mV/mA

Accuracy:

DC: 1% reading ±200 μA AC: 2% reading ±200 μA

Technical

Books

Online!

books1.com

Available §

Frequency Response:

DC to 2 kHz (@ -3 dB sine)

HHM82

Current Range: 0 to ±450 mA

DC, 0 to 300 mA rms Output: 10 mV/mA Accuracy:

DC: 0.5% of reading ±150 μA AC: 0.8% reading ±200 μA Frequency Response: DC to

1500 Hz (@ -3 dB sine) HHM81 and HMM82

HHM81 and HMM8
Electrical
Resolution:

DC: 50 μA typical AC: 100 μA typical Output Noise:

<100 μ V, DC to 5 kHz

Rise Time:

<200 μS, 10% to 90% V out

Fall Time:

<200 μS, 90% to 10% V out Output Impedance: 200 Ω

Influence of Adjacent Conductor:

<50 μA/A

Probe Inductance: <1 μH Influence of Earth's Field:

<120 μA , null to max

Safety

Working Voltage: IEC 1010-2-31 Cat. II

Common Mode Voltage: 30 V

General

Connectors: Two 4 mm banana jacks,19 mm (0.75") spacing

Maximum Conductor Diameter:

4.5 mm (0.187")

Overload LED (Red): For momentary

or continuous overload

Power LED (Green): For power on

and good battery

Zero Adjust: ±25 mA

HHM81, \$559, shown smaller

than actual size.

Battery: One 9 V alkaline (included),

NEDA 1604 or IEC 6 LF22 Dimensions (Probe):

111 x 15 x 25 mm (4.4 x 0.6 x 1.0")

Dimensions (Module):

124 x 64 x 28 mm (4.9 x 2.5 x 1.1")

Weight: 250 g (9 oz)
Cable Length: 1.5 m (5')
Operating Temperature:
-10 to 55°C (-14 to 131°F)
Storage Temperature:
-40 to 80°C (-40 to 176°F)

Humidity:

<95% @ ≤35°C, 75% @ 55°C

MOST POPULAR MODEL HIGHLIGHTED!

To Order (Specify Model Number)		
Model No.	Price	Description
HHM81	\$559	MicroCurrent probe, 4.5 A DC/3 A rms
HHM82	559	MicroCurrent probe, 450 mA DC/300 mA rms
HHM70-CONN1	38	Banana plug to BNC adaptor
EE-2500	60	Reference Book: Electric Engineering Handbook

Comes with 9 V battery and complete operator's manual.

Ordering example: HHM81, microcurrent probe and **HHM70-CONN1**, banana plug to BNC adaptor, \$559 + 38 = \$597.

Your One-Stop Source for Process Measurement and Control!

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