

ONE YEAR LIMITED WARRANTY

A.W. Sperry Instruments Inc., warrants that this AWS instrument has been carefully tested, inspected, and warranted for one (1) year from the date of purchase by the original end user, provided the completed warranty card is returned within ten (10) days after purchase and the instrument has not been misused, damaged due to negligence, neglect or unauthorized repair, abused or used contrary to the operating instructions. Instruments and proof of purchase in the form of a legible copy or original of the sales receipt clearly identifying the distributor, model number and date of purchase must be returned to A.W. Sperry Instruments Inc., Attention: Customer Service Center, 245 Marcus Boulevard, Hauppauge, New York 11788, postage prepaid for examination and verification of manufacturing defect under warranty. A.W. Sperry Instruments Inc., shall be the sole judge of such defect. The liability of A.W. Sperry Instruments Inc., shall be limited to the repair or replacement at its sole option of any defective product.

THIS WARRANTY AND THE OBLIGATIONS AND LIABILITIES OF SELLER THEREUNDER ARE EXCLUSIVE AND IN LIEU OF AND BUYER HEREBY WAIVES ALL OTHER REMEDIES, EXPRESS WARRANTIES, GUARANTEES OR LIABILITIES, OF AND FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR WHETHER OR NOT OCCASIONED BY SELLER'S NEGLIGENCE. THIS WARRANTY SHALL NOT BE EXTENDED, ALTERED OR VARIED EXCEPT BY A WRITTEN INSTRUMENT SIGNED BY SELLER AND BUYER. SOME STATES ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIED LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

WARRANTY REGISTRATION

To validate warranty, please complete the warranty registration card enclosed with your instrument and return to A.W. Sperry Instruments Inc., 245 Marcus Blvd., Hauppauge, N.Y. 11788 within 10 days of purchase. No postage required.

WARRANTY RETURN

Refer to section "Return for Repairs" for complete instructions. All warranty returns must include a legible copy or original of the sales receipt clearly identifying the model number, serial number and date of purchase.

RETURN FOR REPAIRS

Before returning your multimeter for repair be sure to check that the failure to operate properly is not due to the following:

1. Weak battery
2. Open fuse
3. Open, loose, or intermittent test leads

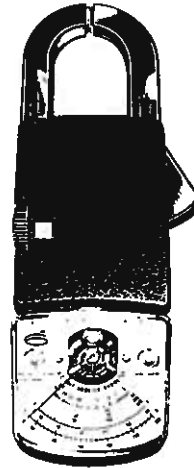
If these conditions do not exist and the instrument fails to operate properly, return the instrument and accessories prepaid to:

A.W. Sperry Instruments Inc.
Customer Service Department
245 Marcus Blvd.
Hauppauge, N.Y. 11788

State in writing what is wrong with the instrument. All warranty repairs must include proof of purchase in the form of a legible or original copy of the sales receipt, clearly identifying the distributor, model number and date of purchase and must have a warranty card on file. See warranty statement above for full warranty disclosure. Repair estimate will be furnished if requested for out of warranty instruments. Be sure to include all accessories which may be related to the problem, and a note describing the malfunction you observed.

OPERATING INSTRUCTIONS**PLEASE READ CAREFULLY**

Misuse and or abuse of these instruments may cause injury and or equipment damage. Please follow these instructions faithfully and adhere to all standard industry safety rules.



**SNAP 5
SNAP 6**

SWIVEL CASE SNAP-AROUNDS

- VOLT-AMMETER
- VOLT-OHM-AMMETER

A.W. Sperry Instruments Inc.

245 MARCUS BLVD., HAUPPAUGE, N.Y. 11788
800-645-5398 (N.Y. and Alaska call 516-231-7050)
FAX: 516-434-3128, TLX: 645104 SPERRYINC HAUP

INTRODUCTION

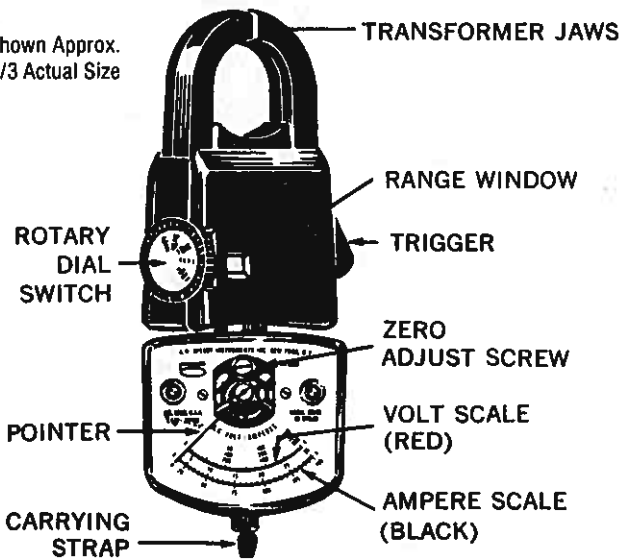
The AWS Snap 5 and Snap 6 series, portable, pocket-size, snap-around meters are available in a wide variety of electrical ranges to fit almost any requirement of everyday AC electrical testing and troubleshooting. The Snap 5 Series, Snap-Around, Volt-Ammeters have a total of 5 ranges. They can be used to measure AC voltage and current.

The Snap 6 Series, Snap-Around, Volt-Ohm-Ammeters have a total of 6 ranges. In addition to measuring AC voltage and current, they also measure resistance (except for the M-100 and M-300).

Both series are built to withstand the use and abuse of everyday service requirements encountered by electricians and maintenance personnel.

SNAP 5 SERIES SNAP-AROUND VOLT-AMMETER

Shown Approx.
1/3 Actual Size



MODEL	PLASTICS COLOR	AMPERES AC	VOLTS AC
SR-25	BLACK	0-5/25A	0-150/300/600V
SR-50	BLACK	0-10/50A	0-150/300/600V
SR-150	BLACK	0-30/150A	0-150/300/600V
SR-300	BLACK	0-60/300A	0-150/300/600V

FREQUENCY: 50-400 Hz

ACCURACY: 3% FS

ACCESSORIES

TEST LEADS

TL-10	Test Leads Twist & Lock With insulated alligator clips and detachable probe tips Use with Snap 5 Models SR-25, SR-50, SR-150, SR-300, Snap 6 Models OHM-50, OHM-150, OHM-300, OHM-525, Snap 8 Model SPR-300
TL-10N	Same as TL-10 Test Leads, except with Neoprene Covered Wire for Cold Weather Applications. Black & Red only
TL-15	Test Leads Heavy Duty With 2 Industrial Type Long Insulated Prod Handles and Spade Pointed Probe Tips Fits all models
TL-16	Test Leads Same as TL-15 except with Round Pointed Probe Tips Fits all models
TL-15A1	TL-15 TEST LEADS PACKED with MODEL A-1 JAW ADAPTOR CLAMP TL-15 Test Leads may be used on all Snap-Around Models Jaw Adaptor for use with Snap 5, 6 and 8 Series.
TL-16A1	TL-16 TEST LEADS PACKED with MODEL A-1 JAW ADAPTOR CLAMP TL-16 Test Leads may be used on all Snap-Around Models Jaw Adaptor for use with Snap 5, 6 and 8 Series.
TL-33	Test Leads Twist & Lock with 2 Industrial Type Long Insulated Prod Handles with Screw-in Adaptor for Alligator Clips Alligator Clips Included Fits all Snap-Arounds and RDM-1000 Multi-Meter

OHMPROBE®S

OBA	Ohmprobe® Battery Attachment Complete with F-1 Fuse and B-1 Battery For use with Snap 6 Series Models OHM-50, OHM-150, OHM-300 and OHM-525
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CARRYING CASES

C-1	Carrying Case for Models SR-25, SR-50, SR-150 and SR-300
C-2	Carrying Case for Models OHM-50, OHM-150, OHM-300 and OHM-525
C-6	Carrying Case GREY for Snap 6 M-Series M-100 & M-300

BATTERIES

B-1	Battery Type AA, 1.5V Use with OHMPROBE® Battery Attachments OBA
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FUSES

F-1	Fuse, Glass Instrument Type 1/4A, 250V, 1/4" x 1/4", Use with OHMPROBE® Battery Attachments OBA
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PROBE TIPS

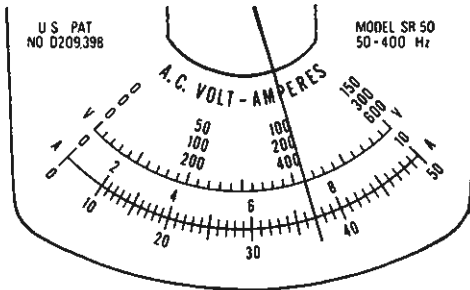
TIP	Probe Tips for Use with ALL Test Leads having Mueller Type Clips -- 4 per pkg.
E-1	ENERGIZER ADAPTOR, WITH CASE For Use with all Snap-Arounds. Splits the line for DIRECT and 10X SENSITIVITY Has receptacles for voltage measurement Refer to Bulletin SP-31 for complete specifications
A-1	JAW ADAPTOR CLAMP For use with SNAP-AROUNDS all Models in SNAP 5, 6 and 8 SERIES, with Test Prods from Test Leads Models TL-15 and TL-16

IN STOCK—AT YOUR LOCAL WHOLESALER

HOW TO READ SNAP 5 SERIES SCALES

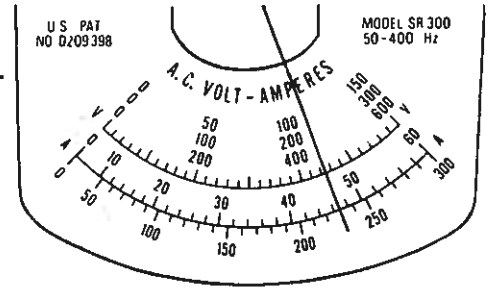
Model SR-50 Scaleplate Shown. Pointer Reads.

105V on 150V Range
210V on 300V Range
420V on 600V Range
7.5A on 10A Range
37.5A on 50A Range



Model SR-300 Scaleplate Shown. Pointer Reads.

112V on 150V Range
225V on 300V Range
450V on 600V Range
47A on 60A Range
230A on 300A Range

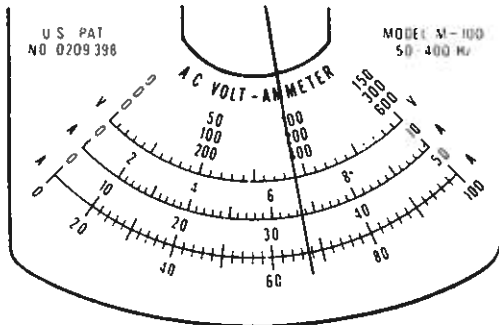


Shown Actual Size

HOW TO READ SNAP 6 M-SERIES SCALES

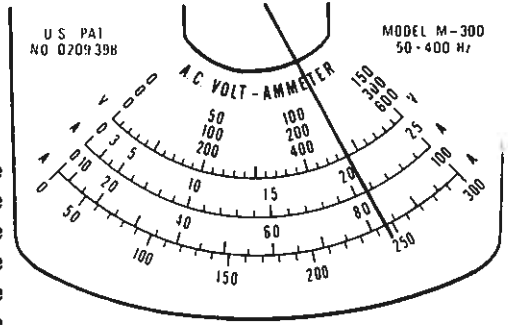
Model M-100 Scaleplate Shown. Pointer Reads.

95V on 150V Range
190V on 300V Range
380V on 600V Range
6.7A on 10A Range
33.5A on 50A Range
67.5A on 100A Range



Model M-300 Scaleplate Shown. Pointer Reads.

120V on 150V Range
240V on 300V Range
480V on 600V Range
20.7A on 25A Range
83 on 100A Range
245A on 300A Range

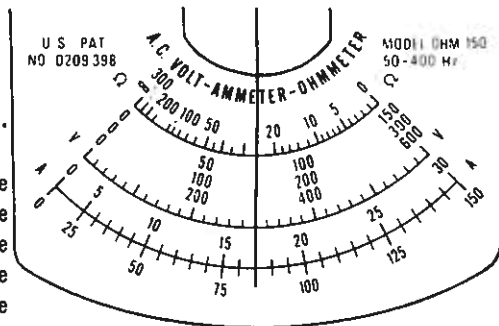


Shown Actual Size

HOW TO READ SNAP 6 OHM-SERIES SCALES

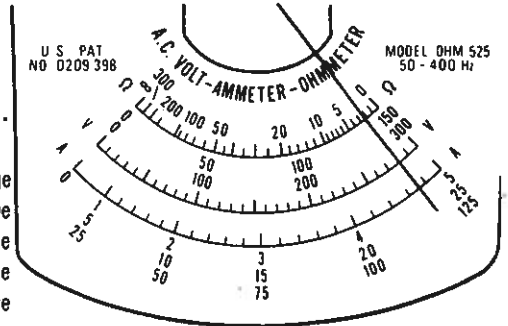
Model OHM-150 Scaleplate Shown. Pointer Reads.

75V on 150V Range
150V on 300V Range
300V on 600V Range
17A on 30A Range
85A on 150A Range
25 OHMS on OHMS Range



Model OHM-525 Scaleplate Shown. Pointer Reads.

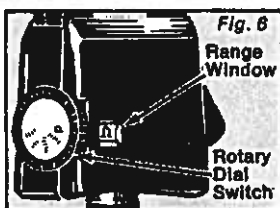
140V on 150V Range
280V on 300V Range
4.7A on 5A Range
23.5A on 25A Range
117.5A on 125A Range
2.5 OHMS on OHMS Range



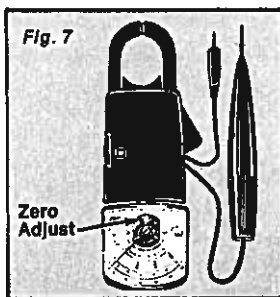
Shown Actual Size

HOW TO USE THE SNAP 6 AS AN OHMMETER

1. Set ' Ω ' mark in Range Window, using Rotary Dial Switch.



2. Insert either Red or Black lead into any Voltage Receptacle. Insert banana plug of Ohmprobe™ into the other. Twist and lock both leads in position.



3. ZERO LEFT WITH LEADS OPEN

Line pointer over ' ∞ ' (Infinity) mark at the extreme left of ohm scale. Use Zero Adjust Screw if necessary for this adjustment. See Fig. 7.

4. ZERO RIGHT WITH LEADS SHORTED

Line pointer over '0' mark at extreme right of ohm scale, using Ohmmeter Adjust Knob.

Note: If Ohmmeter Adjust Knob will not bring pointer over the '0' mark, check and replace battery. See Fig. 8.



5. Connect alligator clip to one end of circuit, touch the other end with Ohmprobe™ point. Read resistance on Ohm scale.
6. Remove Ohmprobe™ from its terminal when finished with Ohm check.

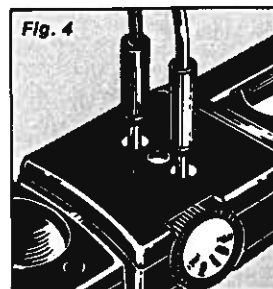
CAUTION

All resistance measurements are to be taken on de-energized circuits only. To avoid possible electric shock, instrument damage and/or equipment damage, do not take resistance measurements on energized circuits.

HOW TO USE THE SNAP 5 & 6 AS A VOLTMETER

(Voltage ranges on scale and on Rotary Dial Switch are printed RED)

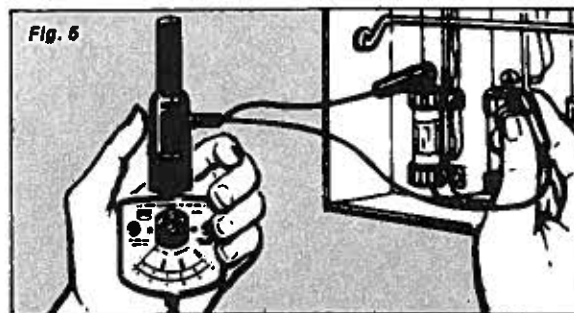
1. Insert test lead plugs into the voltage receptacles on the back of the instrument and twist clockwise to lock in position.



2. Set Rotary Dial Switch so that HIGHEST voltage range appears in the Range Indicator Window.

3. For safe voltage measurement, the following procedure is recommended. Connect alligator clip to any side of the line to be measured. Hold instrument in one hand and touch the other side of the line with the second test lead. If reading does not exceed 600 Volts, connect the second alligator clip to the other side of the line and take voltage reading.

If reading is in the lower half of the scale, set Rotary Dial Switch to next lowest voltage range. Repeat until reading is in the upper half of the scale.



HOW TO USE THE SNAP 5 & 6 AS AN AMMETER

Caution

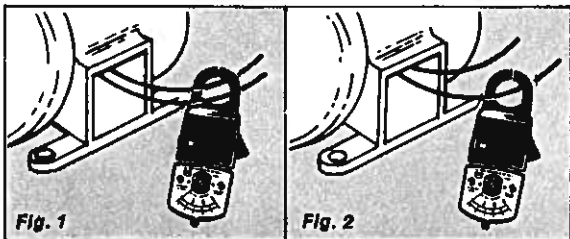
Instrument is designed to take current readings on circuits having a maximum voltage difference of 600 Vac between any two conductors and/or ground potential. Avoid clamping the instrument around bare un-insulated conductors for maximum safety.

(Ampere ranges on scale and on Rotary Dial Switch are printed **BLACK**)

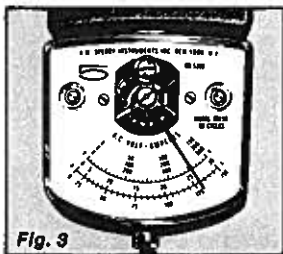
1. Set Rotary Dial Switch so that **HIGHEST** current range appears in the Range Indicator Window.
2. Open transformer jaws by pressing against trigger.
3. Snap transformer jaws around *one* conductor.

WRONG

CORRECT



4. Make certain that the jaws are snapped shut before reading is taken.
5. If reading is in the lower half of the scale, turn Rotary Switch to *next lower range*. Repeat until the reading is in the upper half of the scale.



TO REPLACE FUSE OR BATTERY

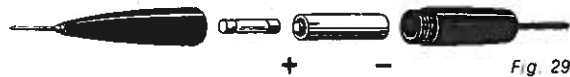


Fig. 29

Unscrew halves of OHMPROBE® plastic case. Components are spring loaded and come apart readily.

FUSE

Use Type F-1, Glass Instrument Type, ½ Amp, 250V, ¼" x 1¼", Type AGC-½ or equal. Insert fuse into fluted well in the lower section (with prod) of the OHMPROBE® plastic case.

BATTERY

Use Type B-1, Type 'AA', 1.5V, Type #915 or equal. Insert battery with (+) side facing fuse in the lower section of OHMPROBE® plastic housing as shown in Fig. 29. After replacement is made, assemble the two halves of the OHMPROBE® plastic housing.

NOTE: If the OHMPROBE® is taken out of use for any length of time, it is best to remove the battery before storing the attachment. Insert a fresh battery when the unit is restored to use.

ZERO ADJUSTMENT

For greatest accuracy, make certain that the pointer is set exactly on the zero line. Rotate the Zero Adjust Screw until the pointer is directly over the zero line.

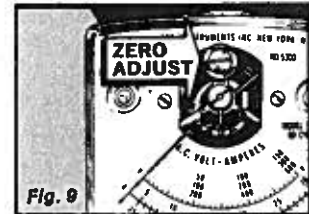


Fig. 9

SAFETY CARRYING STRAP

To prevent damage should the instrument fall out of the hand, use the carrying strap (over the wrist) as recommended. Thus, the instrument can drop safely away when the reading is taken.

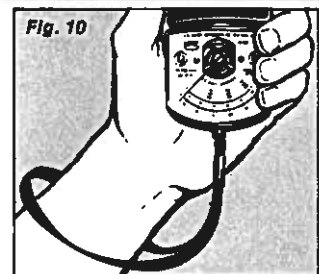
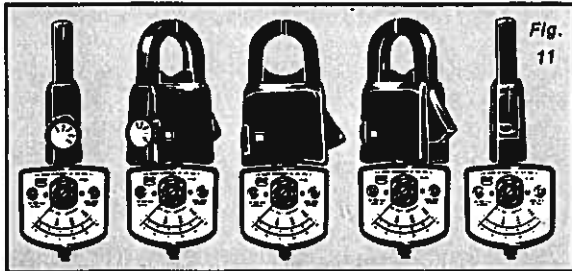


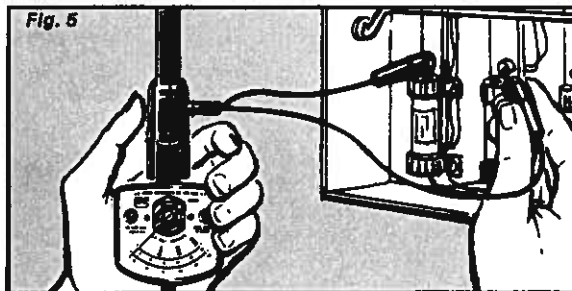
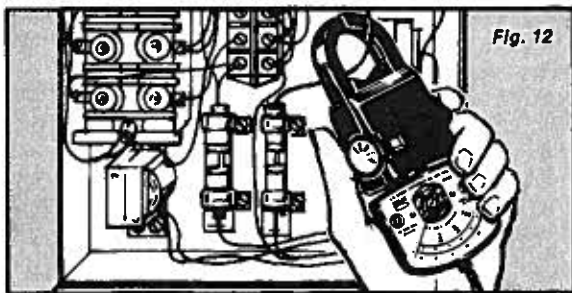
Fig. 10

THE VERSATILE SNAP 5 & 6 HAS 5 SWIVEL POSITIONS

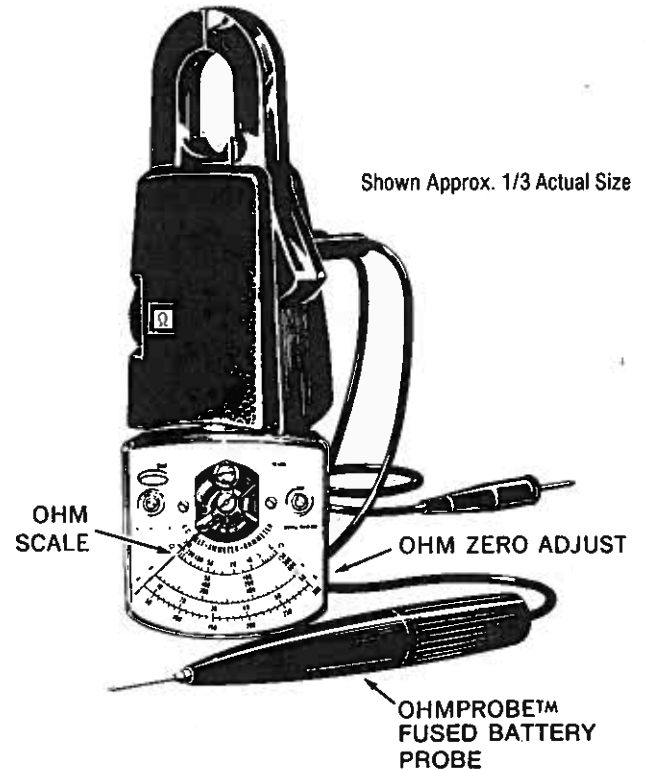
With the Meter section held firm, the upper section of the Snap 5 & 6 will rotate through 5 detent swivel positions for a full 180 Degrees.



This versatile feature will enable you to take a reading with the Meter section flat in the hand, regardless of the position of the conductor. No need to place the instrument in an awkward position to read hard-to-get-at conductors. Hold the meter section flat and firm in your hand and rotate the upper section to match the position of the conductor.



SNAP 6 SERIES SNAP-AROUND VOLT-AMMETER · VOLT-OHM-AMMETER



VOLT-AMMETER

MODEL	PLASTIC COLOR	AMPS AC	VOLTS AC	OHMS
M-100	BLACK	0-10/50/100A	0-150/300/600V	—
M-300	BLACK	0-25/100/300A	0-150/300/600V	—

VOLT-OHM-AMMETER

MODEL	PLASTIC COLOR	AMPS AC	VOLTS AC	OHMS
OHM-50	BLACK	0-10/50A	0-150/300/600V	25Ω MID-SCALE
OHM-150	BLACK	0-30/150A	0-150/300/600V	
OHM-300	BLACK	0-60/300A	0-150/300/600V	
OHM-525	BLACK	0-5/25/125A	0-150/300V	

FREQUENCY: 50-400 Hz

ACCURACY: 3% FS