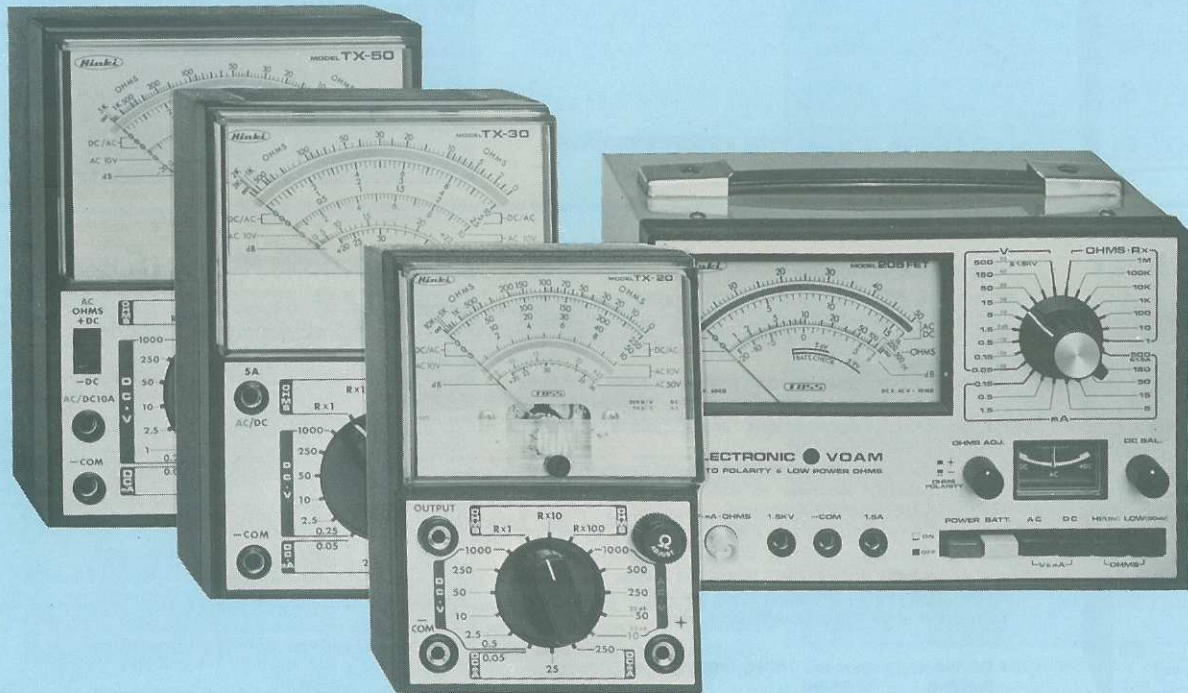


MULTITESTERS & ELECTRIC MEASURING INSTRUMENTS



Hioki

— THE DEPENDABLE BRAND —

Hioki is proud to announce a line of remarkable testing equipment for the electronic and electrical power testing fields: engineered with the most modern techniques in mind.

MODEL 205FET ELECTRONIC VOAM

<NEW>



Dimension, approx. 151H x 226W x 115D m/m.
Weight 2250g

FEATURES

- **AUTO-POLARITY**
When measuring DC voltage or current, polarity is automatically read on a secondary polarity indicator without the need to reverse leads.
- **POLARITY INDICATOR**
This indicator shows the polarity of the circuit (zero center "+" or "-" polarity to either side).
- **LOW POWER OHMS**
Since the test voltage is low (50mV) compared to a conventional ohmmeter (1.5V) it is possible to measure the resistance of the circuit without the influence of semiconductors and without damage to semiconductors.
- **OHMS POLARITY**
The ohms polarity can be reversed by pushing or pulling the ohms adjust knob. Ideal for measuring diodes (Exact polarity will be indicated by the secondary polarity indicator) this feature applies to both hi and low ohms.
- **HIGH SENSITIVITY**
High full scale sensitivity for AC/DC (50 mV) A minimum value of 1mV can easily be measured.

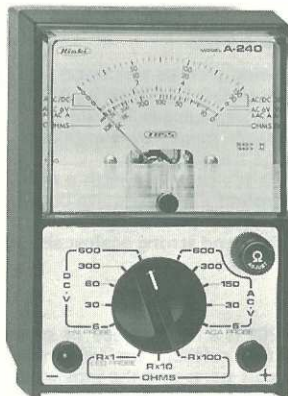
- **HIGH INPUT IMPEDANCE**
10MΩ for AC/DC. The AC input impedance of the 205FET is several times higher than that of a VTVM, with minimum reading error.
- **SIMPLIFIED SCALE**
Common scale utilized for AC/DC readings to greatly simplify measurements and alleviate mistakes.
- **10db STEP RANGE**
Since the voltage is based on a 10db step range, conversion to decibels is easily attained.
- **AC CURRENT MEASUREMENT**
Conventional VTVMs cannot measure AC current, however the 205 FET can measure AC current as easily as DC current 150μA-1.5A full scale can be measured.
- **WIDE RANGE (Total 52 ranges)**
DC/AC V 20 ranges 50mV~1,500V
DC/AC mA 18 ranges 150μA~1.5A
Hi/Lo OHMS 14 ranges 1KΩ~1,000MΩ
- **PROTECTION**
Fuse-type circuit protection.
- **CORDLESS BATTERY OPERATION**
Batteries: UM-3 or 006P type. Since no external power source is required, this unit is ideal for laboratory or field service. The battery consumption of the 205 FET is very small (500 hours continuous use with UM-3 type batteries). Battery check position for battery condition indication. Built-in charging circuit for nickel cadmium batteries.

SPECIFICATIONS

Measuring Item	Full Scale Value	Tolerance	Input Impedance Battery
DC Voltage	±0.05, 0.15, 0.5, 1.5, 5, 15, 50, 150, 500, 1500V	±3% of rated Value	10MΩ Const.
DC Amperage	±0.15, 0.5, 1.5, 5, 15, 50, 150, 500, 1500 mA	"	50mV
AC Voltage	0.05, 0.15, 0.5, 1.5, 5, 15, 50, 150, 500, 1500V	±4% of rated Value	10MΩ Const.
AC Amperage	0.15, 0.5, 1.5, 5, 15, 50, 150, 500, 1500 mA	±4% of rated Value	50mV
Resistance	1K, 10K, 100K, 1M, 10M, 100M, 1000MΩ (Rc 10Ω)	±3% of Scale length	1.5V (Hi) 50mV (Low)
Low Frequency Output	-20~+6dB (-50~+66dB)	±4% of rated Value	
Accessory Circuit	Meter & FET Protecting Circuit Circuit Protecting Device Using Fuse Auto Polarity, OHMS polarity, Battery check		

MODEL A-240

<NEW>



Dimension, approx. 134H x 94W x 56D m/m.
Weight 400g

FEATURES

- Designed for safety when measuring extremely high voltages
- (1) Employs special test leads to prevent user from electrical shock and to prevent accidental shorts.
 - (2) Incorporates circuitry to prevent internal shorts.
 - (3) If an internal short does occur this will not affect the 10 ohms meter internal resistance.
 - (4) A 1 amp power fuse will open the circuit if a short does occur.
- **DUSTPROOF**
Employs dustproof recessed meter window.
 - **ACCESSORIES** to expand testing ranges of A-240
 - (1) clamp type AC Amps Probe (Type B-240)
 - (2) continuity test probe with L.E.D. (Type L240-C)
 - (3) high voltage probe (up to 1500DCV) (Type HV-240)
 - **THE A-240** is insulated against electrical shock to the user as its case is constructed of only ABS plastic and its jacks recessed into the panel.

ACCESSORY

TYPE B-240



AC Amps Probe

TYPE L-240C



Continuity test Probe

TYPE HV-240



High Voltage Probe

SPECIFICATIONS

Measuring Item	Full Scale Value	Tolerance	Input Impedance Battery
DC Voltage	6, 30, 60, 300, 600V	±3% of Scale Length	20KΩ/V
AC Voltage	6, 30, 150, 300, 600V	±4% of rated Value	10KΩ/V
Resistance	10K, 100K, 1MΩ (Rc 100Ω)	±3% of Scale length	3V (UM-3x2)
Accessory Circuit	Meter protecting circuit Circuit protecting Device Using Fuse		

MODEL OL-64D FEATURES



- The OL-64D offers stable operation due to its use of an advanced printed circuit board system.
- The meter cover used in the OL-64D features stain-proof glass. The main case is constructed of iron to prevent any influence from outside magnetic attraction.
- High current of DC10A and high voltage of DC5KV can be measured without the need for accessory probes.

Dimension, approx. 150H x 106W x 50D m/m
Weight 650g.

SPECIFICATIONS

Measuring Item	Full Scale Value	Tolerance	Internal Resistance & Battery
DC Voltage	0.25, 1, 2.5, 10, 250, 1000V 5KV	±3% of rated Value	20KΩ/V 5KV 4KΩ/V (±5%)
DC Amperage	50μ, 1, 50, 500mA, 10A	±3% of rated Value	250mV
AC Voltage	10, 50, 250, 1000V	±4% of rated Value	8KΩ/V
Resistance	4K, 400K, 4M, 40MΩ (Rc 40Ω)	±3% of Scale Length	3V (UM-3 x 2) Rx10K: 22.5V
Low Frequency Output	-20~+22dB +20~+36dB	±4% of rated Value	
Accessory Circuit	Meter Protecting Circuit		

MODEL L-33DX FEATURES



- A small sized instrument designed for basic measurements of current, voltage and resistance. Its easy operation is ideal for the novice as well as the experimenter.
- The adoption of a printed-circuit board makes the L-33DX extremely safe and durable; the best tester in its class!
- Reading errors due to movement damage from overloading are completely eliminated by means of a meter protecting diode.
- An important feature of the L-33DX is its low range (DC V.O. 25 2.50); ideal for the transistor age of today.
- A specially formulated shock-resistant acrylic meter cover protects the meter movement while allowing the bright, easy to read scale plate to be seen.
- The elegant L-33DX case is constructed of shock-proof ABS resin making the L-33DX very durable and lightweight.

SPECIFICATIONS

Measuring Item	Full Scale Value	Tolerance	Internal Resistance & Battery
DC Voltage	0.25, 2.5, 10, 50, 250, 1000V	±3% of rated Value	2KΩ/V
DC Amperage	500μ, 10, 250mA	±3% of rated Value	250mV
AC Voltage	10, 50, 250, 1000V	±4% of rated Value	2KΩ/V
Resistance	5K, 50K, 500KΩ Rc (50Ω)	±3% of Scale Length	1.5V (UM-3 x 1)
Low Frequency	-20~+22dB +20~+36dB	±4% of rated Value	
Accessory Circuit	Meter Protecting Circuit		

Dimension, approx. 128H x 88W x 48D m/m
Weight 300 g.

MODEL L-20P KIT

<NEW>



Dimension, approx. 130H x 90W x 50D m/m
Weight 300g

FEATURES

- Being a small-size tester, it boasts of high efficiency of DC 20,000Ω/V, AC 9,000Ω/V.
- Sixteen ranges including DC 2.5V range and DC 50μA range, in compliance with the requests of the transistor age.
- As it's provided with a grace acryl cover, the area around a scale is quite bright to make reading easy.
- Elegant case design made of ABS resin which is light and strong against shocks and vibrations.

L-20P is a masterpiece of small-sized sensitive multi-tester, suitable for beginners. Careful selection of circuit parts and the independent wiring system have enhanced its performance, durability and have also made the tester easy to handle. Furthermore with the adoption of DC 0.5V range and DC 50μA range, fitting for the transistor age, it's widely supported with big expectation, by the beginners studying electronics.

SPECIFICATIONS

Measuring Item	Full Scale Value	Tolerance	Input Impedance Battery
DC Voltage	0.5, 2.5, 50, 250, 1000V	±3% of rated Value	20KΩ/V
DC Amperage	50μ, 25, 250mA	±3% or rated Value	500mV
AC Voltage	10, 50, 250, 500, 1000V	±4% of rated Value	9KΩ/V
Resistance	10K, 100K, 1MΩ (Rc 100Ω)	±3% of rated Value	1.5V (UM-3 x 1)
Low Frequency Output	-20~+22dB +20~+36dB	±4% of rated Value	
Accessory circuit	Meter Protecting Circuit		

MODEL M-230A



FEATURES

- The M-230A is truly a top-of-the-line professional testing instrument. It utilizes a special resettable relay circuit and fused protection to protect it from any damage due to operating mistakes. It features a high accuracy of $\pm 2\%$ DC which exceeds the Japanese Industrial Standard for such an instrument.

Dimension, approx. 197H x 150W x 78D m/m
Weight 1300g.

SPECIFICATIONS

Measuring Item	Full Scale Value	Tolerance	Internal Resistance & Battery
DC Voltage	0.3, 1.2, 3, 12, 30, 120, 300, 1200V	$\pm 2\%$ of rated Value	20K Ω /V
DC Amperage	60 μ , 1.2, 30, 300mA	$\pm 2\%$ of rated Value	300mV
AC Voltage	3, 12, 30, 120, 300, 1200V	$\pm 3\%$ of rated Value	10K Ω /V
Re-sistance	2K, 20K, 200K, 2M, 20M Ω (Rc 10 Ω)	$\pm 2\%$ of Scale	1.5V (UM-2 x1), 9V (006P x 1)
Low Frequency Output	-20~+10dB	$\pm 3\%$ of rated Value	
Accessory Circuit	Meter Protecting Circuit	Circuit Protecting device using cutout relay	Polarity Switch

MODEL 105FET



FEATURES

- The 105 FET offers an unput impedance as high as any VTVM: 10M Ω (DCV x2 terminals = 20M Ω) for DCV range and about 1M Ω constant for the entire ACV range.
- Wide ACV frequency zone covering 20Hz to 5MHz (± 1 db) for 5V range. Audio, high-cycle and pulse circuit applications are possible with its internal p-p detector.
- A special multiplier terminal features measurements of DC twice as high as each DC voltage range without using any additional probes.
- A pole reversing switch and electronic "0" adjust allow the 105 FET to check 10 circuit voltage where a two pole power source is used.
- The 105 FET incorporated an FET protection circuit and battery condition check.

Dimension, approx. 163H x 108W x 67D m/m
Weight 580g.

SPECIFICATIONS

Measuring Item	Full Scale Value	Tolerance	Input Impedance Battery
DC Voltage	0.5, 2.5, 10, 50, 250, 1000V 1, 5, 20, 100, 500, 2000V	$\pm 3\%$ of rated Value	10M Ω 20M Ω
DC Amperage	0.25, 2.5, 25, 250mA	$\pm 3\%$ of rated Value	
AC Voltage	5, 25, 50, 250, 1000V	$\pm 4\%$ of rated Value	approx. 1M Ω
Re-sistance	1K, 100K, 10M, 1000M Ω (Rc 10 Ω)	$\pm 3\%$ of Scale Length	1.5V (UM-3x1)
Low Frequency Output	-10~+30dB	$\pm 4\%$ of rated Value	
Accessory Circuit	Meter & FET Protecting Circuit	Multiplier Circuit	

MODEL AS-100D



FEATURES

- The Model AS-100D is a high sensitivity measuring instrument featuring a 9 μ A meter sensitivity and a high internal resistance of 100K ohms/VDC. It also features an AC/DC selector switch and separate terminal jacks for positive, negative, high voltage and high current readings. The AS-100D measures resistances up to 200 megohms. Easy meter reading is facilitated by its large meter window.

Dimension, approx. 190H x 143 x 265D m/m
Weight 1020g.

SPECIFICATIONS

Measuring Item	Full Scale Value	Tolerance	Internal Resistance & Battery
DC Voltage	3, 12, 60, 120, 300, 600V 1200V	$\pm 3\%$ of rated Value	100K Ω /V
DC Amperage	12 μ , 6, 60, 300mA, 12A	$\pm 3\%$ of rated Value	660mV
AC Voltage	6, 30, 120, 300, 600V, 1200V	$\pm 4\%$ of rated Value	10K Ω /V
Re-sistance	2K, 200K, 20M, 200M Ω (Rc 20 Ω)	$\pm 3\%$ of Scale Length	3V (UM-2x2) R x 100K: 22.5V
Low Frequency Output	-20~+17dB +15~+31dB	$\pm 4\%$ of rated Value	
Accessory Circuit	Meter Protecting Circuit	Polarity Switch	OFF Range

MODEL AF-105



FEATURES

- The AF-105 is a high class, medium-sized tester featuring a high internal resistance of 50K ohm/V DC (20 μ A movement) and a \pm polarity selector system. It measures high AC and DC voltage, High DC Amperage and up to DC 30KV with a high voltage probe. The combination of its size and high sensitivity make this instrument one of our most popular models.

Dimension, approx. 164H x 108W x 60D m/m
Weight 670g.

SPECIFICATIONS

Measuring Item	Full Scale Value	Tolerance	Internal Resistance & Battery
DC Voltage	0.3, 12, 60, 120, 300, 600V, 1200V	$\pm 3\%$ of rated Value	50K Ω /V
DC Amperage	30 μ , 6, 60, 300mA	$\pm 3\%$ of rated Value	300mV & 200mV
AC Voltage	6, 30, 120, 300, 600V, 1200V	$\pm 4\%$ of rated Value	10K Ω /V
Re-sistance	10K, 1M, 10M, 10M Ω (Rc 100 Ω)	$\pm 3\%$ of Scale Length	3V (UM-3 x2), R x 10K .22.5V
Low Frequency Output	-20~+17dB	$\pm 4\%$ of rated Value	
Accessory Circuit	Meter Protecting Circuit	Polarity Switch	

MODEL ER-309 AUTO EARTH TESTER**FEATURES**

- The ER-309 affords easy operation due to its auto-earth resistance meter and internal transistor oscillator.
- An AC galvanometer restricts and influence on earth resistance of the earth stick or earth voltage to insure accurate readings.
- Four penlight batteries are used as its power sources
Battery Life: 6 Hours continuous use.
- The ER-309 is lightweight, making it convenient to carry.

MEASUREMENT SPHERE

Battery Voltage check 6.5-4V
 Earth Voltage measurement 0-30V
 Earth Resistance (3 range)
 x 1 (0-10 ohm)
 x 10 (0-100 ohm)
 x 100 (0-1000 ohm)

ALLOWANCE

Earth Voltage measurement: $\pm 5\%$ of full scale value.
 Earth Resistance measurement: $\pm 2.5\%$ of the each full scale value.

INFLUENCE OF BATTERY VOLTAGE

Within the allowance mentioned above against the change of battery voltage 7-4V.

INFLUENCE OF AMBIENT TEMPERATURE MEASUREMENT

Within $+ / - 2.5\%$ of full Scale Value for Temperature change of $20+ / -20^{\circ}\text{C}$.

POWER SUPPLY

Four pencil type Dry Battery (UM-2) are set in series.

TIME BEING ABLE TO BE USE CONTINUOUSLY

6 Hours

ACCESSORIES

- | | | | |
|-------------------------|------------|-------|--|
| 1 Carrying Case | 1 pce | | |
| 2 Accessory earth stick | 2 pcs. | | |
| 3 Measurement cords | Black 5m | 1 pce | |
| | Yellow 10m | 1 pce | |
| | Red 20m | 1 pce | |
| 4 Bag for Accessory | 1 pce | | |
| 5 Dry Battery | 4 pcs. | | |

DIMENSIONS

Approx. 130x185x90 m/m Weight Approx. 1 kg

MODEL IR-305 TRANSISTORIZED INSULATION TESTER**FEATURES**

- The IR-305 insulation tester is equipped with a power source stabilizing device which provides stable measurements at a touch, without the worry of battery voltage of load fluctuation (up to 4V minimum).
- Its power source utilizes 4 UM-2 batteries, which provide efficient and economical operation when coupled with the unique internal DC-DC converter developed by Hioki.
- AC Voltage of commercial frequency also can be measured.
- Battery condition and voltage can be easily checked. Batteries can easily be replaced without removing the carrying case by sliding the battery compartment cover.
- The IR-305 is of a unique design, both highly functional, easy to read and durable.

SPECIFICATIONS

Rated voltage/ rated resistance	Effective measuring range	Central scale	AC volt- age scale
100V/20M Ω	0.02~20M Ω	0.5M Ω	0~150V
250V/50M Ω	0.05~50M Ω	1M Ω	0~250V
500V/100M Ω	0.1~100M Ω	2M Ω	0~300V
500V/1000M Ω	1~1000M Ω	20M Ω	0~300V
1000V/2000M Ω	2~2000M Ω	50M Ω	0~300V

	Primary effective measuring range: $\pm 5\%$ of indicated value
	Secondary effective measuring range: $\pm 10\%$ of indicated value
Tolerance	0 and ∞ : Less than 0.7% of scale length AC voltage: $\pm 10\%$ of maximum scale value
Measuring terminal voltage	Over 90% of rated voltage at central scale Tolerance. Tolerance at infinity scale is $\pm 10\%$ of rated voltage.
Carrying case	ABS resin
Batteries	4 UM-2 dry batteries (6V)
Indication of Battery consumption	Indicated on scale plate
Dimensions	213mm(H) x 95mm(W) x 70mm(D) Weight: 720g

MODEL ABLE250



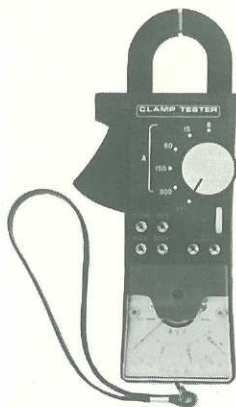
FEATURES

- The ABLE-250 is a neat, compact measuring set designed exclusively for use in all aspects of electrical testing.
- The main testing section (A-250) fits easily in the hand and features great durability against any rough treatment it may be given.
- An alternating current clamp adaptor (B-250) offers strong current measurement by simply clamping power lines.
- With the use of the L-250C accessory continuity probe, the ABLE-250 can be used in a dark or dim place as a light-emitting diode (LED) tells you the results without looking at the meter. This continuity probe also features a needle shaped tip which can be inserted into rubber or vinyl power lines without cutting power lines.

SPECIFICATIONS

Measuring Item	Full Scale Value	Tolerance	Internal Resistance & Battery
DC Voltage	3, 15, 300V	±3% of rated Value	22KΩ/V
AC Voltage	150, 300, 600V	±4% of rated Value	10KΩ/V
AC Amperage	6, 15, 30, 60, 150, 300A (50Hz, 60Hz)	± % of rated Value	Using for B-250
Resistance	5K, 50K, 500KΩ (Rc 50Ω)	±3% of Scale Length	3V (UM 3x2)
Accessory Circuit	Meter Protecting Circuit	Circuit Protecting Device using Fuse	OFF Range
Dimension, Weight	approx. 155H x 86W x 42D mm / 340 g		

MODEL CT-300 CLAMP TESTER



SPECIFICATIONS

- A.C.A. : 6 15 60 150 300A
 A.C.V : 150 300 600V
 OHM : 1 KΩ (center: 30Ω)
 Tolerance : A.C. amperage 3% of F.S.
 A.C. voltage 3% of F.S.
 Resistance 3% of scale length

FEATURES

- The CT-300 is an ideal clamp tester capable of a wide range of measurement: Amperage is measured on five ranges from 6A to 300A; Voltage is measured on three ranges from 150 to 600 volts; and Resistance as high as 1K.
- Ranges are identified by a 3 color coded scale for easy reading. Amperage: black, Voltage: red, Resistance: green.
- The CT-300 features a unique "pointer lock". The pointer lock "freezes" the pointer at the measurement position so that readings may be easily taken in dark or hard to reach places.

Inside battery and fuses of resistance range
 1 piece UM-3 battery, 1.5 volts
 3 pieces 0.1A fuses in a glass tube (9.5—11.5Ω)
 Tension resistance: 2,000 V.
 Maximum circuit voltage: 500V.
 Dimensions and Weight: 86 x 196 x 46 mm 380g
 Accessories: Test lead. Leather carrying case

MODEL CT-100 MINI CLAMP TESTER



FEATURES

- Although the CT-100 is a small-sized clamp tester, it incorporates the most frequently used ranges found on much larger clamp testers: 2 current ranges (50A, 100A), 1 voltage range (300V).
- The CT-100 can be used on any 50 or 60 Hz application.
- The meter movement utilizes "spring bearings" to provide more than adequate shock absorption for added durability.
- Its simple operation and design facilitates quick, easy measurements.

SPECIFICATIONS

AC.A: 0~50A 100A
 AC.V: 0~300V (2KΩ/V)
 Dimensions: 63 x 125 x 36 mm
 Weight: 215g
 Accessories: Test lead. Leather carrying case

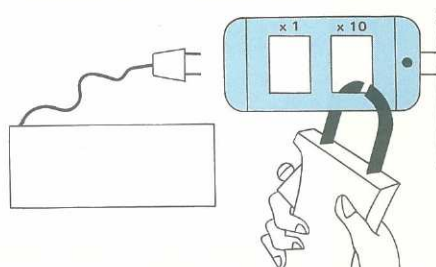
TYPE CT-101A LINE SPLITER



- [Measurement of AC. amperage by the use of a line splitter (CT-101A)]
- How to use CT-101A
 Plug the AC adaptor into the power source socket, and the cord of the load implement into the AC adaptor as illustrated below. Now, amperage can be easily measured.

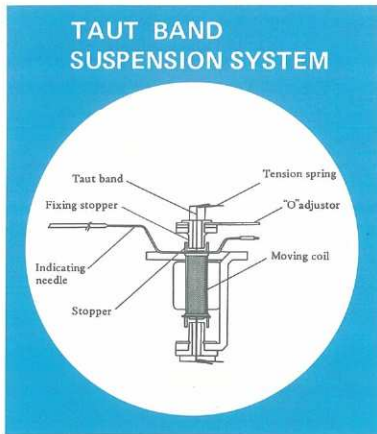
How to measure

In the 1 x 1 core section, the real value can be directly read.
 In the 2 x 10 core section, measurement up to 0.1 time (1/10) is possible (1 division: 20mA ~ .S.O. 6A).



HIOKI TBSS

TAUT BAND SUSPENSION SYSTEM



Since Taut Band type movements do not generate any friction on the bearing like Pivot type movements, it is possible to obtain an accurate and high sensitive instrument.

The increase of indicating error after vibration or impact is given to the instrument is negligible with Taut Band movements. Therefore they always maintain their accuracy. Pivot type movements cannot make this claim.

MODEL TX-50

FEATURES

The TX-50 utilizes two fuses (0.5A, 0.1A) to protect all ranges from operational mistakes. A high sensitivity (DC 50K ohms/V) TBSS movement with mirrored scale insures high accuracy and durability. High electric current up to AC/DC 10A can be measured with common terminals without any optional probes. A polarity reversing switch also facilitates better measurement.



Dimension, approx. 163H x 123W x 62D m/m
Weight 600 g.

SPECIFICATIONS

Measuring Item	Full Scale Value	Tolerance	Internal Resistance & Battery
DC Voltage	0.25, 1, 2.5, 10, 50, 250, 1000V	±3% of rated Value	50KΩ/V
DC Amperage	0.05, 0.5, 5, 50, 500mA, 10A	±3% of rated Value	Voltage Drop 250mV
AC Voltage	10, 50, 250, 1000V	±4% of rated Value	10KΩ/V
AC Amperage	10A	±5% of rated Value	
Resistance	5, 50, 500KΩ, 5MΩ (Rc50Ω)	±3% of Scale Length	1.5V (UM-2) x 2
Low Frequency Output	-20~+22dB, +20~+36dB	±4% of rated Value	
Accessory Circuit	Meter Protecting Circuit	<ul style="list-style-type: none"> • Circuit Protecting Device Using Fuses • Polarity Switch 	

MODEL TX-30

FEATURES

The TX-30 is an improved version of our highly successful OL-64TX. It now features a 30K ohms/V internal resistance. Low frequency output and AC amperage can be accurately measured on its mirrored scale. Removing the case to replace batteries is facilitated by a snap-off rear compartment. The TX-30 can be angled by means of a sloping stand. Two fuses are incorporated with a circuit protecting device to emphasize this models stress on safety.



Dimension, approx. 150H x 105W x 58D m/m
Weight 435g.

SPECIFICATIONS

Measuring Item	Full Scale Value	Tolerance	Internal Resistance & Battery
DC Voltage	0.25, 2.5, 10, 50, 250, 1000V	±3% of rated Value	30KΩ/V
DC Amperage	0.05, 2.5, 25, 250mA, 5A	±3% of rated Value	Voltage Drop 250mV
AC Voltage	10, 50, 250, 1000V	±4% of rated Value	10KΩ/V
AC Amperage	5A	±5% of rated Value	
Resistance	3, 30, 300KΩ, 3MΩ (Rc30Ω)	±3% of Scale Length	1.5V x 2 (pencil type)
Low Frequency Output	-5~+22dB, +20~+36dB	±4% of rated Value	
Accessory Circuit	Meter Protecting Circuit	<ul style="list-style-type: none"> • Circuit Protecting Device using Fuses 	

MODEL TX-20

FEATURES

The TX-20 is a beautifully designed and highly functional testing instrument featuring the Hioki TBSS movement and a 20K ohms/V internal resistance with a meter sensitivity of 50μA. It incorporates on output terminal and mirrored scale and is ideal for the hobbyist.

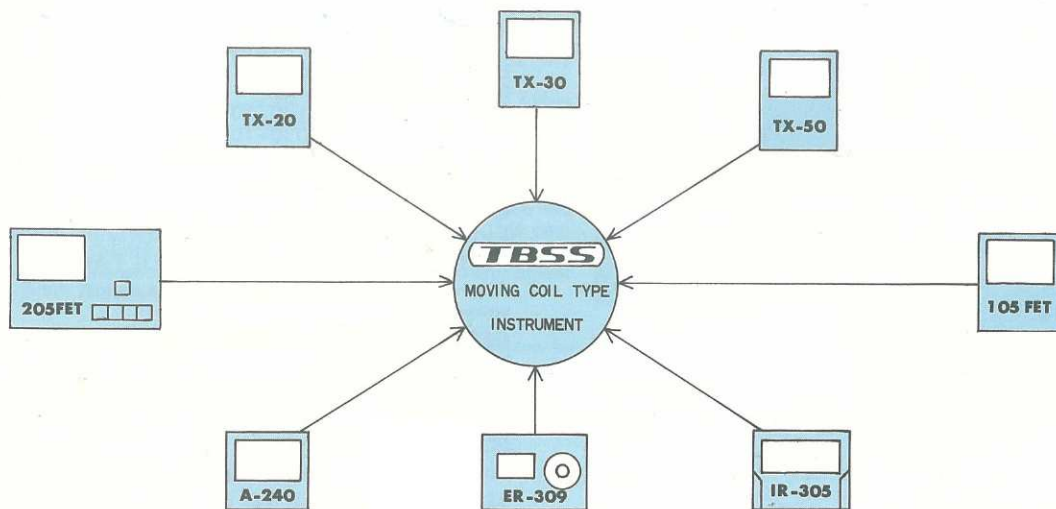


Dimension approx. 130H x 90W x 52D m/m
Weight 310 g.

SPECIFICATIONS

Measuring Item	Full Scale Value	Tolerance	Internal Resistance & Battery
DC Voltage	0.5, 2.5, 50, 250, 1000V	±3% of rated Value	20KΩ/V
DC Amperage	0.05, 2.5, 250mA	±3% of rated Value	500mV
AC Voltage	10, 50, 250, 1000V	±4% of rated Value	9KΩ/V
Resistance (OHMS)	10, 100, 1000KΩ	±3% of Scale Length	1.5V (pencil type)
Low Frequency Output	-20~+22dB, +20~+36dB	±4% of rated Value	
Accessory Circuit	Meter Protecting Circuit		

THE WORLD OF HIOKI TBSS PRODUCTS



ORDERING INFORMATION

Contact your nearest Hioki representative listed in this catalog. Special orders are accommodated. Please specify the electrical specifications, design and quantity in order that your Hioki representative may offer an accurate price quotation.

GENERAL INFORMATION FOR USE OF HIOKI PRODUCTS

Please read the instruction manual carefully and become familiar with the equipment. This will insure maximum protection to you and the instruments. Always be extra careful when measuring high voltages.



HIOKI ELECTRIC WORKS, LTD.

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