



DIGITAL Hi TESTER



3203

UNBEATABLE PERFORMANCE IN A HIGHLY COMPACT D.M.T

■ All information digitally displayed

Polarity, unit, automatic over-range, battery voltage check and all other information displayed.

■ Low power consumption : 40mW

Built to operate continuously for more than 200hours with batteries.

■ Thin, highly compact tester

Small enough to fit into the pocket.

A very dependable, compact instrument

3203 DIGITAL HI TESTERS

This 3203 Hi Tester with FE (Field Effect) liquid crystal display is an epoch making product which revolutionizes the conventional image of the digital multi tester.

- Low power consumption
- Unbeatable durability

All elements, including the important C-MOS LSI, are low power so that actual power consumption is a very economical 40mW. The 3203 can operate on four UM-3 dry cells and on alkaline batteries will do more than 200 hours of work.

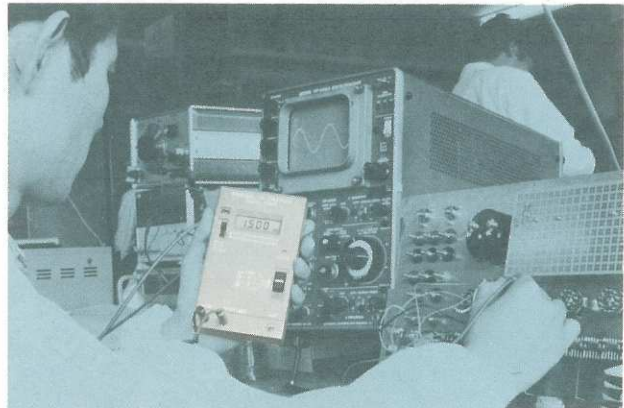
- Tops for reliability and handling

Such information as polarity, units, decimal point, automatic over-range indication and battery voltage check, etc., are all indicated on the panel, improving operation and handling and also reliability..

Input has dual polarity, semi-auto range faculty and outstanding operating qualities.

- Thin and highly compact

Being small enough to fit into the pocket, it is not only easy to carry but can be held and operated in one hand.



■ GENERAL SPECIFICATIONS

Operating Principle	: Integrating type
Display	: Liquid Crystal Display (Field Effect type)
Maximum Indication	: 1999 (except 1,000V DC, AC)
Range Selection	: Semi-Auto range
Over indication	: The 1 in the maximum position (Left hand figure) flashes on and off.
Polarity	: Auto polarity
Battery check	: When battery voltage drops below operating voltage the decimal point, which has been off until this time, flashes on and off.
Response time	: DC, Ω approx. 1 sec AC approx. 3 secs
Sample Rate	: approx. 2 times/sec
Allowable Ambient Temperature	: 0 to 40°C (32 to 104°F)
Operating Humidity	: Less than 85% (relative humidity)
Power Consumption	: approx. 40mW
Power Supply	: UM-3×4
Battery Life	: More than 200 hours of continuous use with alkaline batteries.
Dielectric Voltage	: AC 1500V DC for one minute between input terminal and outer case.
Dimensions	: approx. 146H×90W×30D mm
Weight	: approx. 260g

■ PERFORMANCE CHARACTERISTICS

Function	Range	High	Low	Accuracy	Input impedance (approx.)
DC/AC V		1000 V 199.9 V	19.99 V 1.999 V	DC V, $\pm 0.5\%$ rdg. $\pm 0.3\%$ f.s. ± 1 dgt. Ext. $\pm 1\%$ rdg. $\pm 0.3\%$ f.s. ± 1 dgt. AC V, $\pm 1.0\%$ rdg. $\pm 0.8\%$ f.s. ± 1 dgt. Ext. $\pm 1.2\%$ rdg. $\pm 0.8\%$ f.s. ± 1 dgt.	Lo range 11M Ω Hi range 10M Ω
DC mA		199.9mA, 19.99mA		$\pm 1.0\%$ rdg. $\pm 0.5\%$ f.s. ± 1 dgt.	Approx. 10 Ω
O H M		1999K Ω 199.9K Ω	19.99K Ω 1.999K Ω	$\pm 0.5\%$ rdg. $\pm 0.3\%$ f.s. ± 1 dgt.	(Lo) measuring current 100 μ A (Hi) " " 1 μ A

■ OVERLOAD PROTECTION

- DC, AC V : Up to 500V DC or AC for a maximum of one minute. (0~200V)
- DC 1000V : Up to 1200V DC or AC for a maximum of one minute.
- AC 1000V : Up to 1200V AC or 500V DC for a maximum of one minute.
- OHM : Up to 125V DC or AC for a maximum of one minute.
- DC A : 0.3A Fuse.



HIOKI ELECTRIC WORKS, LTD.

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