

DMM

HIOKI



PRINT HI TESTER

3234

New Type Handy DMM with Printer



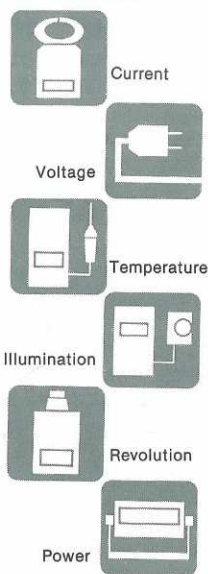
Synchronous Operation: Use as a Multi-Channel Printer

The 3234 Print Hi Tester is a handy-type DMM with printer functions. It has a variety of special features for use not only as a DMM, but also as a printer in a wide range of applications.

Print functions

Measurement values can be printed out simply, both automatically and manually. In combination with analog-output measurement instrumentation, the 3234 can be used as a printer.

*Measurement values will be displayed with the V unit symbol, and unit conversion is needed. Use of the EXT.SW allows external control (manual only controls start).

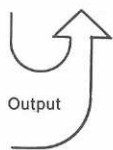


Possible applications

Printout of print start time, date, and interval

```
10:06 87-07-20
TIME INT.=10S
000 AC 101.5 U
001 AC 101.6 U
002 AC 101.3 U
003 LP 000.0KΩ
004 LP 029.9KΩ
005 **.*MΩ
006 17.10MΩ
007 000.2 Ω
008 AC 000.0mA
009 DC 000.1mA
010 - 0482
011 - 1435
012 3199
013 ****
```

Overload mark Printout



Specifications

Display: LCD display (DMM and clock)
DMM display: 3-1/2 digits, maximum value 3199
Clock display: 6 digits, TIS light during auto-interval timer use
Sampling rate: 2.5 times/s
Measurement ranges:
 23 ± 5°C, 80%RH max, no condensation

Range	Accuracy	Notes
DCV	300mV	±0.35%rdg. ±2dgt.
	3 V	"
	30 V	±0.5%rdg. ±2dgt.
	300 V	±0.7%rdg. ±2dgt.
ACV	3 V	±1%rdg. ±4dgt.
	30 V	"
	300 V	"
	500 V	"
Resistance	300 Ω	±0.5%rdg. ±2dgt.
	3kΩ	"
	30kΩ	"
	300kΩ	"
	3000kΩ	±1%rdg. ±2dgt.
	30MΩ	±2%rdg. ±2dgt.
LP Ω	3kΩ	±0.5%rdg. ±4dgt.
	30kΩ	"
	300kΩ	"
	3000kΩ	±1%rdg. ±4dgt.
DCA	300mA	±1%rdg. ±2dgt.
	300mA	±1.2%rdg. ±4dgt.
ACA	300mA	±1%rdg. ±2dgt.
	300mA	±1.2%rdg. ±4dgt.
Option	DC 300mV	±0.35%rdg. ±2dgt.

AC/DC power supply

The AC adapter can be used as both an AC power supply and a battery charger, eliminating worries about battery overload with prolonged periods of use. Switching to DC power changes the 3234 to an active DMM that can be used anywhere.

Tester functions

A full array of functions are included, such as dynamic range up to 3199, LP ohm range for in-circuit resistance measurement, full auto ranging to eliminate worries about selecting the proper range, and one-touch zero adjust. A stand is provided to make the display easy to read. Full attention has been paid to safety, too, with a carrying strap to prevent dropping and a slide cover for the AC adapter terminal.

Option terminal

The option terminal can be used to monitor values other than voltage, current and resistance.

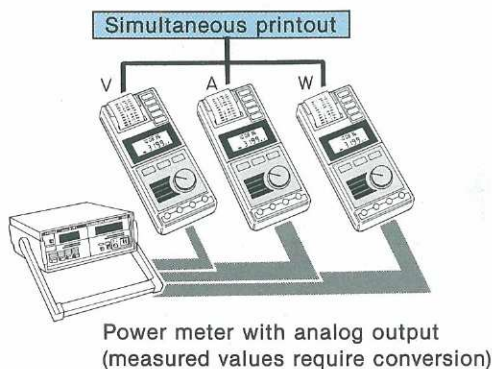
*Reading value is displayed by count display, and therefore decimal points and units are not printed.

Synchronous operation

It is possible to link together any number of 3234s for simultaneous printout, by merely linking the start signal output of the first to the EXT.SW of the second, and so on. The system can be used in manual mode, or started by the automatic interval timer. When the timer is used, the first unit is set to automatic mode and the others to manual. Connection signals are isolated for safety.

*For timing reasons, there is variation of up to 0.4 seconds in data input time.

Example of synchronous operation



Printer

Printing method: Thermal, serial dot
Printing speed: approx. 1.2 s/line
Recording paper: 38mm W × 3 m (750 lines)
Service life: 500,000 lines
TIME mode: Automatic printing at preset interval (10,30 seconds, 1,3,5,10,30 minutes, 1 hour). Time interval precision ±3 seconds over daily precision

Clock

Clock precision: ±90 s/month.
Clock type: 24-hour clock
Calendar: Automatically set for year and month end (1987 to 2019).

Power supply: Ni-Cd batteries (4.8 V × 4), AC adapter (9V—1A)
 9V: printer and DMM

(About 6 hours of operation with line printing every 10 seconds after a full charge)
LR-44 × 1: Printer function controller (clock)
Battery-low display: LED lamp lights when battery charge drops below operating level.

Dimensions weight: 200H × 85W × 30D mm (excluding protrusions), approx. 400 g
Accessories: 9170 test leads, one set of alligator clips, LR-44 × 1, 0.5A spare fuse, 9227 recording paper 1 roll, AC adapter

Optional accessories:

9227 recording paper (3m, 5 rolls)
 9357 carrying case

Standard packing (double carton box)

	Sets	N.W.kg	G.W.kg	M ³
UL	20	18.4	20.7	0.13
CEE	20	23.2	25.5	0.13
SAA	20	21.0	23.3	0.13
CSA	20	17.4	19.7	0.13

HIOKI E.E. CORPORATION

DISTRIBUTED BY

HEAD OFFICE: P.O. Box 1, Sakaki, Nagano, 389-06 Japan.
 Tlx: 3327508 HIOKI J / Cable: HEWLOV, Ueda
 Tel. (0268) 82-3030 / Fax. (0268) 82-3215

HIOKI-RCC, INC.: 198 Route 206 South Somerville, N.J. 08876 U.S.A.
 Tel. (201) 874-6484