HIOKI

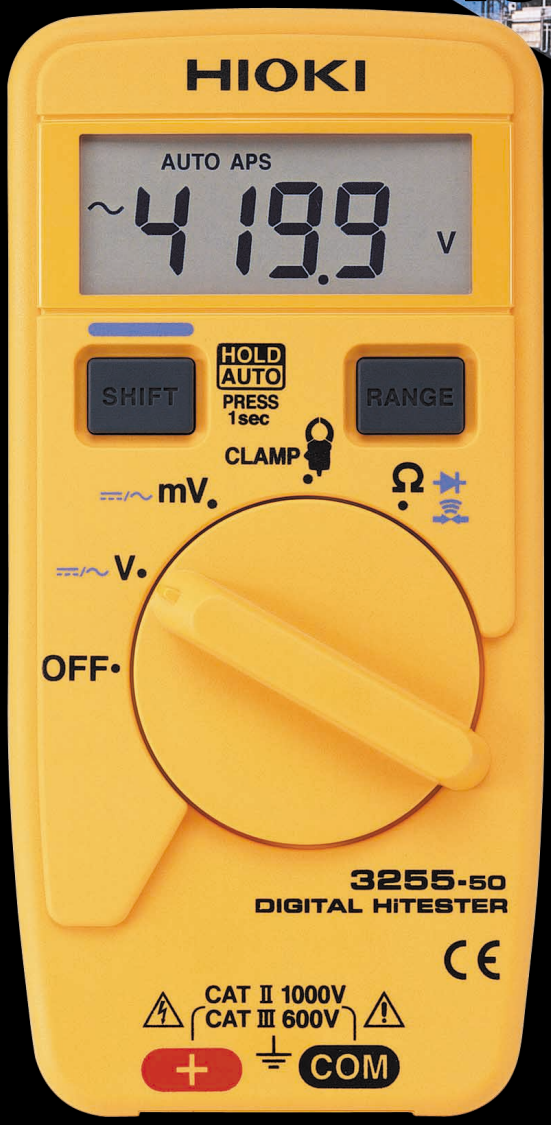
2004

New

3255-50 DIGITAL HiTESTER

Field measuring instruments

Tough DMM for industrial use



Combine with CLAMP ON PROBE

for AC current measurement



Actual-size

CE

CAT III 600V
CAT II 1000V

ISO14001
JQA-E-90091

INTERNET HIOKI Website

http://www.hioki.co.jp/

HIOKI company overview, new products, environmental considerations and other information are available on our website.

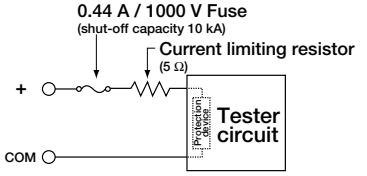


For industrial power lines

Safety Measures

- Dust-proof and water-proof construction (IP54)
- Polarized terminal design prevents incorrect insertion of test leads
- Internal current-limiting resistor and fuse protect against operating errors and catastrophic failures

In addition to internal circuitry to protect against connection errors during use, the current-limiting resistor and fast-blow fuse protect against short-circuit conditions in the unlikely event of catastrophic failure of the tester circuit: short-circuit current is limited until interruption by the fuse, rated for up to 10 kA.



*If voltage is applied to the test leads while in the resistance measurement mode, as long as it is within the measurement category (CAT Ⅲ 600 V, or CAT Ⅱ 1000 V), protective components in the tester circuitry prevent the fuse from opening.

Enhanced Convenience

- Safe and simple
  AC load current measurement by optional CLAMP-ON PROBE



Set the clamp range to match the range of the **3255-50**

- Option

CLAMP ON PROBE	9010	9018
		
Range	AC 10/20/50/100/200/500 A	
Accuracy(45 - 66 Hz)	±3 % f.s.	±1.5 %rdg. ±0.1% f.s.
Frequency characteristic	40 Hz to 1 kHz: ±6 %	40 Hz to 3 kHz: ±1 %
Output voltage	AC 0.2 V f.s.	
Max. rated voltage to earth	600 V rms (insulated conductor)	
Meas. conductor dia.	ϕ 46 mm, 50 × 20 mm busbar	
Dimensions and mass	74W × 184H × 37D mm, 420 g(9010), 410 g(9018)	
	Lead length approx. 3 m	

■ 3255-50 specifications (Accuracy at 23˚C±5˚C (73˚F±9˚F), 80% rh or less)

	Range	Accuracy DC	Accuracy AC 50Hz to 500Hz	Notes	Overload protection
AC / DC voltage	420.0 mV	±1.0 % rdg. ±4 dgt.	±2.0 % rdg. ±4 dgt.	Input impedance: Approx. 10 MΩ	1000 V DC/AC rms(sin) or 10^7 V·Hz, 1 minute Current limiting resistor: 5 Ω, Fuse: 0.44 A / 1000 VAC/DC (shut-off capacity 10 kA)
	4.200 V			Approx. 11 MΩ	
	42.00 V	±0.5%rdg.±4dgt.	±1.1%rdg.±4dgt.		
	420.0 V	±0.7 % rdg. ±4 dgt.	±1.5 % rdg. ±4 dgt.	Approx. 10 MΩ	
	1000 V				
AC current Clamp sold separately	10.00 A	Range table of clamp on probe 9010, 9018 (10 to 500 A): Main unit Accuracy ±2.0 % rdg. ±4 dgt. (50Hz to 500Hz) Add the accuracy of clamp sensor		Input impedance: Approx. 10 MΩ	
	20.00 A				
	50.0 A				
	100.0 A				
	200.0 A				
	500 A				
	1000 A				
Resistance	420.0 Ω	±1.0 %rdg. ±8 dgt.		Open-circuit terminal voltage: 3.4 Vmax.	
	4.200 kΩ	±0.7 %rdg. ±4 dgt.		Approx. 0.7 V	
	42.00 kΩ	±1.0 %rdg. ±4 dgt.		Approx. 0.5 V	
	420.0 kΩ				
	4.200 MΩ	±2.0 %rdg. ±4 dgt.			
	42.00 MΩ	±5.0 %rdg. ±4 dgt.			
Continuity (420.0 Ω)		A built-in buzzer sounds when the resistance value is less than 45 Ω ± 35 Ω (±1.0 %rdg. ±8 dgt.)		Open-circuit terminal voltage 3.4 Vmax.	
Diode		Judgment (0.15 V to 2.00 V)		Open terminal voltage/current 3.4 V/850 µA max.	

● AC Measurement: average value ● Ancillary functions: automatic and manual range, data hold, auto power save, battery life warning ● Display: 4199 max. (1099 for 1000 V range) ● Sampling rate: 2.5 samples/sec ● Applicable standards: Safety - EN61010 CAT Ⅲ 600V, CAT Ⅱ 1000 V, EMC - EN61326, Dust-proof and water-proof structure - EN60529 IP54 ● Ambient temperature / humidity: 0 to 40˚C (32˚F to 104˚F) 80% rh (no condensation) ● Storage temperature/ humidity range: -20 to 40˚C (-4˚F to 104˚F) 80% rh / 40 to 60˚C (104˚F to 140˚F) 70% rh(no condensation) ● Power source: R03 manganese battery×2 or LR03 alkaline battery ×2 ● Continuous operation: In DC voltage approx. 200 hours (with manganese batteries), approx. 500 hours or more (with alkaline batteries) ● Dimensions and Mass: Approx. 70 W ×145 H × 31 D mm, approx. 210g (Approx 2.8″ W × 5.8″ H ×1.3″ D, 7.5 oz.)(including batteries)





Includes 9207-10 TEST LEAD and 9371 CARRYING CASE

DISTRIBUTED BY

HIOKI
HIOKI E. E. CORPORATION

HEAD OFFICE :
81 Koizumi, Ueda, Nagano, 386-1192, Japan
TEL +81-268-28-0562 / FAX +81-268-28-0568
E-mail: os-com@hioki.co.jp

HIOKI USA CORPORATION :
6 Corporate Drive, Cranbury, NJ 08512 USA
TEL +1-609-409-9109 / FAX +1-609-409-9108
E-mail: hioki@hiokiusa.com

Shanghai Representative Office :
1704 Shanghai Times Square Office
93 Huaihai Zhong Road
Shanghai, 200021, P.R.China
TEL +86-21-6391-0090, 0092
FAX +86-21-6391-0360
E-mail: info@hioki.cn

All information correct as of Oct 3, 2003. All specifications are subject to change without notice.

325550E2-3XB-05U Printed in Japan