FEATURES:

- 20Hz to 1MHz Frequency Range
- 0.1% Basic Measurement Accuracy
- Selectable source Impedence
- Displays Voltage and Current Measurements
- Wide Measurement Range with 5
 Digit Measurement Resolution
- Four-terminal Kelvin connections to maintain measurement integrity
- 1A DC Bias
- PC Software Configurable
- Multiple Steps
- Sequence Testing up to six individual tests in one pass
- Menu driven interface provides user friendly operation
- Measurement auto ranging or manual hold
- 15 total bins
- Measurement averaging from 1 to
 1000
- IEEE-488.2, RS-232, handler, and serial printer interfaces all standard
- Display of DUT actual voltage
- Display of DUT current
- Load Correction

1910 Inductance Analyzer

Introduction

The 1910 Inductance Analyzer is designed to perform inductance and impedance measurements on coils and wire wound devices over a frequency range from 20Hz to 1MHz. Emphasis has been placed on ease of use through menu programming, and fast accurate production testing via its remote control capability.

Description

15 Different Impedance Parameters/20 Total Parameters

Measure and display any two parameters simutaneously, to achieve coverage and flexibility not previously available.

Automatic Test Sequencing

Run up to six different tests in sequence with a single push of the start button. Each test can have different conditions and limits.

Program and Data Storage

Test setups can be stored and recalled from internal memory. The front panel can be locked out, with password protection, to ensure procedures are run the same way every time.

Load Correction

Substantially improves instrument accuracy by performing measurements on a known standard and applying correction to subsequent measurements. Ideal for repetitive testing of identical devices at like test conditions.



For more detailed information on specifications, pricing and special purchase, rent and lease options, contact us at:

www.quadtech.com

800-253-1230



Hipot Testers • LCR Meters • Cable Testers • AC/DC Programmable Power Sources • Megohmmeters • Milliohmmeters

www.valuetronics.com

Parameter		Measurement Range	Basic Measurement Accuracy		
		<u>Speed</u>			<u>wc</u>
Ls,Lp		0.001nH to 99.999H	+/-0.5%		.1%
Cs,Cp		1pF to 9.9999F	+/-0.5%		0.1%
DF		0.00001 to 99.999	+/-0.005		.001
Q		0.00000 to 9999.9	+/-0.005		.001
Y,Gp,Bp		10 nS to 9999.9 S	+/-0.005	5 +/-0.0025 +/-0	.001
Z ,Rs,Rp	,Xs,ESR	0.0001 mΩ to 99.999MΩ	+/-0.5%	+/-0.25% +/-0	0.1%
Phase Angle		-180.00 to +179.99 degrees	+/-1.8°	+/-0.9° +/-0).18°
DCR	-	0.1mV to 100KV	+/-0.5%	+/-0.25% +/-0	.1%
DUT AC	Voltage	20mV to 1.0V	+/-0.5%		.1%
DUT AC		1µA to 150mA	+/-0.5%		.1%
DUT DC		20mV to 1.0V	+/-0.5%		.1%
DUT DC	•	1µA to 150mA	+/-0.5%		0.1%
odel 1910	Specifications		Sequencing:		
est Freque			 Displays up to 6 s 	equential test results, primary and/o	r secondary
ange: esolution:	20Hz to 1MH 1Hz from 20H	z, Continuous	Standard Interfa	ICes	
:501011011.	4 digits >1KH			RS-232 • Handler • Serial Print	er
curacy:	+/- (0.01% +(Measurement D		-
aluoy.				from 0 to 1000 ms in 1ms steps	
easurement Speed			Averaging		
st:	40 meas/sec		Programmable	from 1 to 1000	
dium:	8 meas/sec		Median Value		
W	1meas/sec			last three measurements	
nging			Calibration	interval 4	
	ange Hold or us	er selectable	Recommended		
			 NIST traceable Built-in automat 	calibration	
gger				-	
	 internal (aut External(via) 	tomatic) I RS-232,IEEE-488.2 or Handler	Usage & Cal Dat		
	• External(via interfaces	ING-232,IEEE-400.2 UP Hanuler		libration date, standard values u	used in
	Manual		calibration		
			Self Test		
ource Impedance V, 25V, 50V, 100V, or mate		ched impedance, range		nstrument operation at power-u	p or when
25 V , 50 V endent	, 100 v , or mate	cheu impedance, range	selected from me	enu	
JEIIUEIII			Test Terminals		
Test Sig	nal		 Front panel, four 	r terminal (BNC)	
		/ (open circuit) in 5 mV	Optional Test Fi		
-	steps	-	·		
			Mechanical		
Bias Cur		1mA stopp	Bench mount w		
ernal: ternal:	0.0 to 1.0A in		Rack mount kit		\
ciiidi.	0.0 10 20.0A lf	1 5mA steps using QuadTech 1320		x 5.25x 16in (432x 133x 406 m	
play			• Weight: 15	5lbs (8kg) net, 21lbs (9.9kg) ship	pea
	with backlight		Enviromental		
	-			800E,Type3,Class 5,Style E & I	=
esults Formats		Operating	0° to +50°C		
Engineering numeric format %Deviation from nominal of primary parameter		Humidity	< 75% for 11° to 30°C operatin	g	
		primary parameter primary parameter	Storage	-40° to +71° C	
ass/Fail					
	Mode for maxir	num throughput			
doring	Informati	00	Ontional Assa		
ruering	Informati		Optional Acces	ssories: ponent Test Fixture	1700-0
aridge 19 [.]	10 Inductance	Analyzer	Axial/Radial Rem		1700-0
cludes:		-	4 BNC Connecto	rs to 2 Kelvin Clips Lead Set	1700-0
m			4 BNC Connecto	rs to 4 Banana Plugs	1700-0
		QuadTech P/N		rs to Chip Component Tweezers	
Power C	ord	4200-0300	Rack Mount Flan		2000-1
			BNC to BNC Cab		7000_0

AC Power Cord Instruction Manual Calibration Certificate 200-030 15049

	Axial/Radial Component Test Fixture	1700-01
/N 00 91	Axial/Radial Remote Test Fixture	1700-02
	4 BNC Connectors to 2 Kelvin Clips Lead Set	1700-03
	4 BNC Connectors to 4 Banana Plugs	1700-04
	4 BNC Connectors to Chip Component Tweezers	1700-05
	Rack Mount Flanges	2000-16
	BNC to BNC Cable Set (1M)	7000-01
	BNC to BNC Cable Set (2M)	7000-02
	Low Voltage Chip Component Test Fixture	7000-07

For more detailed information on specifications, pricing and special purchase, rent and lease options, contact us at:

uadTech PN030091/A3

www.quadtech.com or 800-253-1230

www.valuetronics.com