💖 Scientech

5¹/₂ & 6¹/₂ Digital BenchTop Multimeters Scientech 62 & 63



The Scientech 62, 5 digit and Scientech 63, 6 digit are high speed, high accuracy, Digital Bench Top Multimeters that meet the measurement needs of voltage-current and resistor accurate measurements. Their outstanding performances, such as fast reading rates (Max. 45 Readings/Second) and DC voltage measurement accuracy up to 0.005% provide a high standard in your work bench.

Features

- 12 different measurement capabilities
- DCV/ACV, DCI/ACI, W2 W/W4 W, Frequency/ period Diode Test /continuity-dB/dBm etc.
- High brightness vaccum fluorescent dual display
- True-rms AC voltage and current measurement, Frequency bandwidth up to 100 KHz/300 KHz
- DCV measurement accuracy up to 0.01 % / 0.005, resolution; 1 mV/0.1JL/V
- Max. measurement rate: 45 results per second
- Equal accuracy frequency measurement greater than 1 MHz, Min resolution 10 mHz
- Zeroing (REL) mode
- 2 W, 4 W Resistance measurement
- Build in mX+b, %, dB, dBm etc. mathematics calculation function
- 512 reading storage and MAX/ MIN/ AVER/ STD statistics
- HI/ IN/ LO for speed sieving
- RS-232 interface for easy communication and optional GPIB
- Calibration without opening the case
- 10 sets of meter status can be stored and loaded



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Technical Specifications

Test Parameter		(DCV), (ACV), (DOI), (ACI), (ACI), (Ω 2 W), (Ω 4 W). (FREQ), (PERI), (CONT), (DIODE).				
Mathematics Calculation Function		mX + b, % dB, dBm, REL				
Range		Auto, Manual				
Display		VFD				
Trigger Mode		INT/ MAN/ EXT				
	Programmable Time Delay	0 -6000 mS				
Reading Storage and Statistics		2 to 1024 sets of reading can be stored, loaded and counted Type of statistics : MAX. MIN. AVER. STD				
Reading Hold		To give best stable reading for each of the Test Parameter according to the given accuracy				
Limitation Measurement		To judge III. IN, LO and display with ALARM for 1 HI/LO				
Storage setting		10 setting files can be stored loaded				
Calibration		Recommended Fluke 5520A with NB 62				
Communication Interface		Accurate calibration software (option) GPIB (option), RS 232C. SCPI command programmable				
		GPIB (option), R	3 2320. SUPI COMI	manu programmab	lie	
Specification	is reading % + full sc	ale reading %)				
	eading and reading	,	Second)			
Reading Rate	-	Slow	,	Medium	Fast	
Treading Hate		Scientech 62	Scientech 63	Wealdin	1 431	
Full scale Reading		119,999	1.99,999	119,999	11.999	
Reading rate	DCV, DCI	3.7	2.3	24	45	
(reading /Sec		2.3	1.5	4.5	24	
(reading /Sec	Ω-2W	3.7	2.3	21	36	
	52- Z VV	3.1	2.3	21	30	
(DCV)	Range	Min. Resolution	Max Accuracy ((One year)		
Scientech 62	100 mV-1000 V	1 μ V	1,	Max. Accuracy (One year) 0.010% + 0.0035%		
Scientech 63	100 mV-1000 V	0.1 μ V	0.005% + 0.0010%			
	100 1110-1000 V	0.1μν	0.00378 + 0.0010	J /0		
	Danas	Decelution				
Scientech 62 Scientech 63	Range	Resolution 100 nA	Max. Accuracy (
Scientech 65		IUUTIA		0.050% + 0.010%		
	10mA-10A	10 0	$0.005\% \pm 0.005\%$	/_		
	10mA-10A	10 μΑ	0.005% + 0.005%	%		
(1KHz) (ACV	10mA-10A				0	
(1KHz) (ACV	10mA-10A	10 μA Range	0.005% + 0.0059 Min. Resolution	Max. Accuracy (One year)	
(1KHz) (ACV Scientech 62	10mA-10A		Min.		One year)	
	10mA-10A Bandwidth	Range	Min. Resolution	Max. Accuracy (One year)	
Scientech 62	10mA-10A Bandwidth 10 Hz-100 KHz	Range 100 mV-750 V	Min. Resolution 1μ V	Max. Accuracy (0.10% + 0.10%	One year)	
Scientech 62 Scientech 63	10mA-10A Bandwidth 10 Hz-100 KHz	Range 100 mV-750 V	Min. Resolution 1μ V	Max. Accuracy (0.10% + 0.10%	One year) Accuracy	
Scientech 62 Scientech 63 (ACI)	10mA-10A Bandwidth 10 Hz-100 KHz 5 Hz-300 KHz Bandwidth	Range 100 mV-750 V 100 mV-750 V Range	Min. Resolution 1μ V 0.1μ V Min.	Max. Accuracy (0.10% + 0.10% 0.06% + 0.05% Max.	Accuracy	
Scientech 62 Scientech 63	10mA-10A Bandwidth 10 Hz-100 KHz 5 Hz-300 KHz	Range 100 mV-750 V 100 mV-750 V	Min. Resolution 1μ V 0.1μ V Min. Resolution	Max. Accuracy (0.10% + 0.10% 0.06% + 0.05% Max. (One year) 0.25% + 0.0.8%	Accuracy	
Scientech 62 Scientech 63 (ACI) Scientech 62	10mA-10A Bandwidth 10 Hz-100 KHz 5 Hz-300 KHz Bandwidth 10 Hz-10 KHz 5 Hz-300 KHz	Range 100 mV-750 V 100 mV-750 V Range 10 mV-750 V	Min. Resolution 1μ V 0.1μ V Min. Resolution 100 nA	Max. Accuracy (0.10% + 0.10% 0.06% + 0.05% Max. (One year)	Accuracy	
Scientech 62 Scientech 63 (ACI) Scientech 62 Scientech 63	10mA-10A Bandwidth 10 Hz-100 KHz 5 Hz-300 KHz Bandwidth 10 Hz-10 KHz 5 Hz-300 KHz	Range 100 mV-750 V 100 mV-750 V Range 10 mV-750 V	Min. Resolution 1μ V 0.1μ V Min. Resolution 100 nA	Max. Accuracy (0.10% + 0.10% 0.06% + 0.05% Max. (One year) 0.25% + 0.0.8%	Accuracy	
Scientech 62 Scientech 63 (ACI) Scientech 62 Scientech 63	10mA-10A Bandwidth 10 Hz-100 KHz 5 Hz-300 KHz Bandwidth 10 Hz-10 KHz 5 Hz-300 KHz X)	Range 100 mV-750 V 100 mV-750 V Range 10 mV-750 V 100 mV-750 V	Min. Resolution 1μ V 0.1μ V Min. Resolution 100 nA 0.1μ V	Max. Accuracy (0.10% + 0.10% 0.06% + 0.05% Max. (One year) 0.25% + 0.0.8% 0.15% + 0.06%	Accuracy	
Scientech 62 Scientech 63 (ACI) Scientech 62 Scientech 63	10mA-10A Bandwidth 10 Hz-100 KHz 5 Hz-300 KHz Bandwidth 10 Hz-10 KHz 5 Hz-300 KHz X)	Range 100 mV-750 V 100 mV-750 V Range 10 mV-750 V 10 mV-750 V Measurement	Min. Resolution 1μ V 0.1μ V Min. Resolution 100 nA 0.1μ V Min.	Max. Accuracy (0.10% + 0.10% 0.06% + 0.05% Max. (One year) 0.25% + 0.0.8% 0.15% + 0.06% Max.	Accuracy Accuracy year)	
Scientech 62 Scientech 63 (ACI) Scientech 62 Scientech 63 (Ω 2 W Ω 4)	10mA-10A Bandwidth 10 Hz-100 KHz 5 Hz-300 KHz Bandwidth 10 Hz-10 KHz 5 Hz-300 KHz N Range	Range 100 mV-750 V 100 mV-750 V Range 10 mV-750 V 100 mV-750 V Measurement Current	$\begin{array}{c} \text{Min.} \\ \text{Resolution} \\ 1 \mu \text{ V} \\ 0.1 \mu \text{ V} \\ \end{array} \\ \hline \\ \text{Min.} \\ \text{Resolution} \\ 100 \text{ nA} \\ 0.1 \mu \text{ V} \\ \hline \\ \hline \\ \text{Min.} \\ \text{Resolution} \\ \end{array}$	Max. Accuracy (0.10% + 0.10% 0.06% + 0.05% Max. (One year) 0.25% + 0.0.8% 0.15% + 0.06% Max. Resolution(One	Accuracy Accuracy year)	
Scientech 62 Scientech 63 (ACI) Scientech 62 Scientech 63 ($\Omega \ 2 \ W \ \Omega \ 4$) Scientech 62	10mA-10A Bandwidth 10 Hz-100 KHz 5 Hz-300 KHz Bandwidth 10 Hz-10 KHz 5 Hz-300 KHz N Range 100 Ω-1000 MΩ	Range 100 mV-750 V 100 mV-750 V Range 10 mV-750 V 100 mV-750 V Measurement Current 0.7 µA-1mA	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	Max. Accuracy (0.10% + 0.10% 0.06% + 0.05% Max. (One year) 0.25% + 0.0.8% 0.15% + 0.06% Max. Resolution(One 0.030% + 0.005	Accuracy Accuracy year)	
Scientech 62 Scientech 63 (ACI) Scientech 63 ($\Omega \ 2 \ W \ \Omega \ 4$) Scientech 62 Scientech 63	10mA-10A Bandwidth 10 Hz-100 KHz 5 Hz-300 KHz Bandwidth 10 Hz-10 KHz 5 Hz-300 KHz N Range 100 Ω-1000 MΩ 100 Ω-1000 MΩ	Range 100 mV-750 V 100 mV-750 V Range 10 mV-750 V Range 10 mV-750 V Measurement Current 0.7 μA-1mA 0.7 μA-1mA	$\begin{array}{c} \text{Min.} \\ \text{Resolution} \\ 1 \mu \text{ V} \\ 0.1 \mu \text{ V} \\ \end{array} \\ \hline \\ \text{Min.} \\ \text{Resolution} \\ 100 \text{ nA} \\ 0.1 \mu \text{ V} \\ \hline \\ \hline \\ \text{Min.} \\ \text{Resolution} \\ 1 \text{ m}\Omega \\ 100 \mu\Omega \\ \end{array}$	Max. Accuracy (0.10% + 0.10% 0.06% + 0.05% Max. (One year) 0.25% + 0.08% 0.15% + 0.06% Max. Resolution(One 0.030% + 0.005 0.015% + 0.002	Accuracy Accuracy year)	
Scientech 62 Scientech 63 (ACI) Scientech 63 ($\Omega \ge W \ \Omega \le 1$) Scientech 62 Scientech 62 Scientech 63	10mA-10A Bandwidth 10 Hz-100 KHz 5 Hz-300 KHz Bandwidth 10 Hz-10 KHz 5 Hz-300 KHz N Range 100 Ω-1000 MΩ	Range 100 mV-750 V 100 mV-750 V Range 10 mV-750 V 100 mV-750 V Measurement Current 0.7 µA-1mA	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	Max. Accuracy (0.10% + 0.10% 0.06% + 0.05% Max. (One year) 0.25% + 0.0.8% 0.15% + 0.06% Max. Resolution(One 0.030% + 0.005	Accuracy Accuracy year)	