

Component Parameter Test Instruments

A. TH902A/TH903A Inductance DC Bias Test System

Features

- Windows operation system
- High stability, high frequency response
- Flexible configuration
- Small current step
- Single output, step sweep, graphic sweep
- Multi frequency current sweep curve
- Graphic operation. English version included
- File format: Data base, Excel, Text

Application

- DC feature analyze of inductor/reactor
- Saturation analyze of Iron core/ferrite
- Other material



Standard RS232 SlaveLink

Dimensions : 600mm(W)x1600mm(H)x800mm(D)

weight : 180kg

Specifications

Model	TH903A		TH902A		
Display	LCR display+PC display		TH2829 or TH2827 display		
Frequency	0Hz-2MHz				
Current	20A-120A: TH1778A, 1-5 sets of TH1778S/TH1778AS				
Combination	LCR	TH2827A/TH2829A	TH2827B/TH2829B	TH2827C/TH2829C	
	Frequency	20Hz - 300kHz	20Hz - 500kHz	20Hz - 1MHz	
	Bias current source	TH1778A		TH1778AS	
	Current	Min. one set of 20A		20A, 5 sets at most	
	Control system	IPC, LCD display, keyboard, mouse, software, 19 inch frame		-----	
	Display	Single point, list, graphic sweep, multi frequency current sweep curve		Single point, list, graphic sweep(Only for TH2829)	
	Storage	Test file, waveform picture, waveform, data (EXCEL,TXT,data base)		Test file, screen shot, csv,waveform(only for TH2829)	
Current loading way	Upper computer+LCR+Footswitch		LCR +footswitch		
Current step	1.000A - 5.000A	25mA	5.0A - 120.0A	100mA	
Sweep adjust time	1.000A - 5.000A	10ms-3600s	5.0A - 120.0A	20ms - 3600s	
Min.step of sweep adjust	1.000A - 5.000A	25mA	5.0A - 120.0A	100mA	
Max. output voltage	10V				
Max. DCR	$R_{max}=V_{max}/I$ (Ω)				
Max. Inductance	$L_{max}=V_{max}/(di/dt)$ (mH)				
Continue loading time	2-3h, non-stop output				