

TDS of LT-1200B DC Online Test System

Key technical indicators

Parameter name	Parameter values	Parameter name	Parameter values
Measuring range	0–2kΩ	Accuracy	0.05%
Measuring diameter	1200mm ²	Test current	100A/50A/10A/1A/0.5A
Resolution ratio	0.001μΩ (10A current)	Temperature control accuracy	±0.1°C
	0.1 μΩ (1A current)	Power requirement	AC220V 50Hz±2
	1 μΩ (0.5A current)		

Operating procedures and specifications

Step classification	Operational content
Environmental Preparation	Connect to AC220V power supply
	The measured conductor is placed in the experimental chamber and tightened
	Power on and warm up for 30 minutes
Parameter setting	Move the cursor up and down
	Set time (year/month/day/hour/min/second)
Implementation tests	Start the measurement by pressing the "test button"
Data export	USB insert and export EXCEL file
Visualized data	The network port connects to the computer to print data

Main technical indicators of LT DC resistance system

Test current	Resolution ratio	Measuring range	Intrinsic error
10A	0.001uΩ	0-199.999uΩ	±(0.4%Rx + 0.15%Rm)
10A	0.01uΩ	0-1.99999mΩ	±(0.15%Rx + 0.05%Rm)
1A	0.1uΩ	0-19.9999mΩ	±(0.1%Rx + 0.05%Rm)
0.5A	1uΩ	0-199.999mΩ	±(0.04%Rx + 0.015%Rm)

LT DC resistance system main technical indicators

Range	Test current	Resolution ratio	Measuring range	Intrinsic error
0-200uΩ	100A	0.001μΩ	0-50μΩ	±(0.4%Rx + 0.1%Rm)
			50-100μΩ	±(0.15%Rx + 0.05%Rm)
			100-200μΩ	±(0.08%Rx + 0.02%Rm)
0-200uΩ	50A	0.001μΩ	0-50μΩ	±(0.4%Rx + 0.1%Rm)
			50-100μΩ	±(0.15%Rx + 0.05%Rm)
			100-200μΩ	±(0.08%Rx + 0.02%Rm)
0-2mΩ	10A	0.01μΩ	0-500μΩ	±(0.15%Rx + 0.05%Rm)
			500 μΩ-2mΩ	±(0.08%Rx + 0.02%Rm)

Machine pictures

