

20Ω		100μΩ	250+10
200Ω	10mA	1mΩ	100+10
2kΩ	1mA	10mΩ	100+10
20kΩ		100mΩ	100+5
100/200kΩ	100μA	1Ω	100+30
1/2MΩ	10μA	10Ω	200+10
10MΩ	1μA	100Ω	1000+60
100MΩ	100nA	1kΩ	8000+600
Measurement function			
Resistance measurement time	FAST: 7ms; MED: 22ms; SLOW1: 102ms; SLOW2: 402ms Above data is correct when DISPLAY is OFF; When DISPLAY is ON, 20ms should be added.		
Temperature measurement time	100 ± 10ms		
Test terminal	4-terminal		
Average setup	1-255		
Zero clearing	√		
Range switch	AUTO and Manual		
Trigger mode	Internal, Manual, External, BUS		
Power frequency selection	√ (avoid the interference of the power noise)		
Setting data storage	30 groups		
Low voltage measurement	Open voltage ≤ 60mV Effective range: 2Ω, 20Ω, 200Ω, 2kΩ		
Thermal electromotive force elimination	√		
Statistics function	AVG, MAX, MIN, OSD(Overall standard deviation), SSD(Sample standard deviation), Process capacity index (Cp, CpK)		
Measurement error detection	√ (Detect the measurement cable has been connected correctly or not.)		
Multipole connector	√(Noise abatement function of high-resistance is optional)		
Beep state	Comparator, Bin compare, Button		
Key lock	√		
Temperature measurement			
Temperature measurement1	-10.0℃--99.9℃ Sensor: PT500		
Temperature measurement2	Analog input: 0V--2V Display: -99.9℃ -- 999.9℃		
Temperature compensation	(Convert the resistance measurement value to that one measured under preset temperature)		
Temperature	(Temperature rising is gained from resistance test values before and after warming)		
Compare Judge			
Comparator	Signal output	HI/IN/LO	
	Beep	Beep mode: OFF, IN, HI/LO	
	Limit setup mode	Absolute value high/low limit, Percentage high/low limit +nominal value	
Sorting	10 bins, absolute value/ percentage		
External trigger delay time	AUTO: dependent on range, low voltage mode ON/OFF, OVC (offset voltage compensation) ON/OFF MANUAL: 0.000--9.999s		
External input trigger	Rising/Falling edge		
Interface			
Interface	USB DEVICE、USB HOST、RS232C、HANDLER、GPIB (OPTION)		
General specificatio			
Working condition	Temperature:0℃ - 40℃, Humidity:≤ 80%RH		
Storage condition	Temperature:-10℃-50℃, Humidity: ≤90%RH		
Accuracy guarantee condition	Temperature:18℃ - 28℃, Humidity:≤ 80%RH		
Power	Voltage	99V—242V	
	Frequency	47.5Hz—63Hz	
Consumption	30 VA		
Dimension	215mm×87mm×335mm (net size) 235mm×105mm×360mm (with foam sheath)		
Weight	Approx. 3.6kg		

*: the accuracy is guaranteed under certain environmental and test conditions:temperature of 18℃-28℃,humidity is ≤ 80%RH,test speed is SLOW2 and OVC function is ON(see details in Manual).

Standard accessories

Power cord

SBF0050S Four-terminal test cable

PT500 Temperature sensor