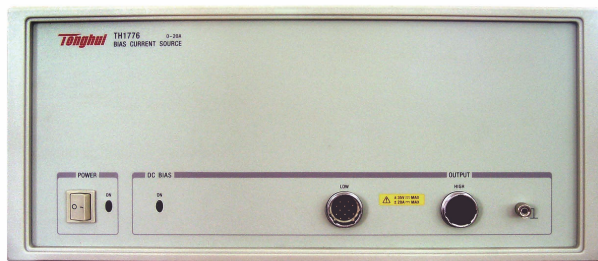


# Component Parameter Test Instruments

## C. TH1776 DC Bias Current Source

### Features

- Being controlled directly by LCR, and compatible with control mode of HP4284A, E4980A
- 0~20A constant DC output
- Low additional error, wide frequency response range
- DC bias voltage monitor
- Ultrahigh temperature protection



### TH1776

### Brief Introduction

■ TH1776 DC bias current source is mainly used to exert DC bias current for inductance measurement on inductance and transformer winding. Except the reach of demanded current, there are some other demands such as weak influence on inductance measurement, and wide frequency response .etc. there is no panel operation in TH1776, LCR can directly set and control current, as well as being compatible with the control mode of HP4284A and E4980A. the instrument can output 0~20A current, and the superposition of two TH1776 can provide 0~40 A current, frequency response range is 100Hz~1MHz, thus the application range of magnetic-core inductor becomes wider, providing a perfect solution formula to analyze magnetic-core material.

### Specifications

Model	TH1776		
Current range	0~20A 0~40A		
Current resolution	1A range: 0.01A Range above 1A: 0.1A		
Current accuracy	1A range: $\pm(1\%+5\text{mA})$ 5A range: $\pm 2\%$ 20A range: $\pm 3\%$		
Frequency response range	100Hz-1MHz		
Output voltage range	Range	Min. Value (V)	Classical value (V)
	1A	35	40
	5A	5	15
20A	1	4	
Basic impedance accuracy	$\leq 1\%$ (1kHz~1MHz)		
Interface (optional)	Common, directly being controlled by LCR		

### Ordering Information

TH1776 DC Bias Current Source

### Instrument Accessories

TH17761	Test box	1
TH26004E-1	Bias current source link cable	1
TH11761-01	Bias current interface cable	1
TH11761-02	Bias current interface cable	1
TH11761-03	Ground line	1
TH26042	Bias current interface cable	