

TH1772B DC Bias Current Source

Features

- 0 – 6A constant DC current output
- 3 1/2-digit LED display
- Key control of current
- Current's automatic or manual scanning output
- 5-pin current output
- over-current and over-load protections



TH1772B

Brief Introduction

■ TH1772B, a DC constant current source, is used for low frequency DC current biased impedance measurement of inductors, transformers and coils. The inductance characters under specified bias current can be measured and evaluated. The meter can be used with all LCR meters produced by our company and other well-known LCR meters worldwide, especially for fast measurement on production line. With its short setup time and low additional error for LCR meter can be used for fast measurement in a product line environment. Several DC bias sources can be paralleled to supply a higher DC bias current output. The meter can also be used as a common DC current source.

General Specifications

Operating temperature & humidity		0°C—40°C, ≤90%RH
Power supply	Voltage	198V—242V
	Frequency	47.5Hz—63Hz
Power consumption		≤ 150 VA
Dimensions (W×H×D)		350mm×135mm×393mm
Weight		Approx. 8.1kg

Specifications

Measurement function	
Frequency response range	50 Hz – 10 kHz
Range mode	5-bin current separately set, 10-turn electrograph
	Bin 1: 0—2A
	Bin 2: 1—3A
	Bin 3: 2—4A
	Bin 4: 3—5A
	Bin 5: 4—6A
Range mode	Lock: current continuous output Point: press current key to output
Output current direction	Positive/reversed direction conversion
Suitable impedance range	$\omega L < 2k\Omega$, $L < 1(H)$
Display	3 1/2-digit LED display
Additional error of inductance measurement	≤ 2%
Warm-up time	20 minutes
Output signal	
Output current range	-6 A — 6 A
Current accuracy	±1% of reading ± 2 digits
Output voltage range	0 — 11.5V

Ordering Information

TH1772B DC bias current source

Instrument Accessories

TH26004-E	bias current source link cable
TH26013	bias current source test cable
TH2881-001	pedal start switch