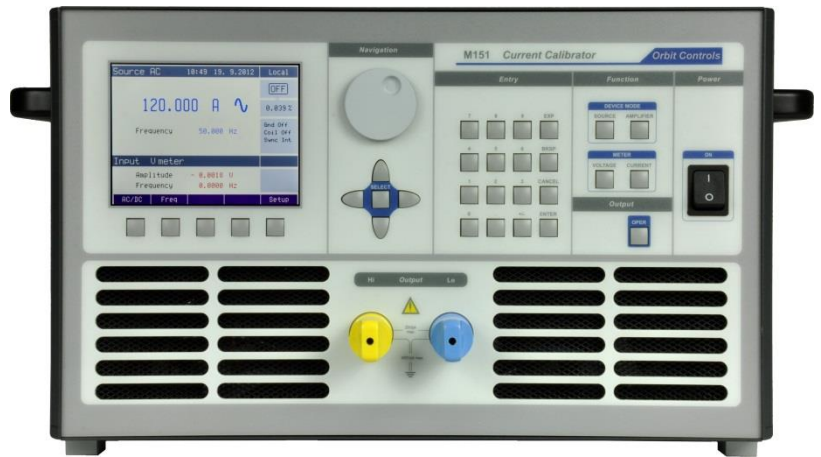


- ✓ AC and DC Currents 8mA to 120A, max. 8Vp-p
- ✓ Frequency Range 16Hz to 1kHz
- ✓ Best Accuracy 0.035%
- ✓ Simulated Current and Transconductance Amplifier
- ✓ Build-in Multimeter
- ✓ GPIB Data Bus



OCM151 is high precision Current Calibrator for DC and AC Currents from 8mA to 120A within a frequency range 15Hz to 1000Hz with a basic accuracy of 0.035%. The calibrator can operate in a simulated amplifier mode to increase current ranges of any multifunction calibrator. OCM151 is suitable for calibration of power meters since it can be synchronized with external signal in amplitude, frequency or phase. The current terminals are isolated up to 450 Vp-p against case (protective earth).

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OCM151 is a sophisticated instrument with its own software recalibration procedure which permits to adjust any deviation directly from the front panel.

The Calibrator is designed for checking parameters of ampere meters. With current coil it can be used for calibration of clamp meters up to 3000A.

Setting of the parameters can be done from the keyboard, RS232 or GPIB data bus.

GENERAL SPECIFICATIONS

Warm-up Time	15 minutes
Isolation	450V p-p Outputs against the cabinet
Distortion	< 0.1%
Frequency Accuracy	0.005%
Frequency Resolution	0.001Hz below 500Hz 0.01B above 500Hz
Frequency Synchronizing	internal, external or from mains
Simulated Amplifier	0.5 ... 10 A / V (Transconductance Amplifier) 50 ... 1000 A / A (Current Amplifier)
Control	RS232, IEEE488 (SCPI)
Supply	115/230VAC, 50/60Hz
Temperature	Reference Temperature 20 ... 26°C Working Temperature 5 ... 40°C Storage Temperature -10 ... 55°C
Dimensions	538 x 283 x 540mm (W x H x D)
Weight	42kg

TECHNICAL DATA

1 year accuracy, reference temperature

DC Current

Range (A)	% from value + % from range	Max. voltage (V)
0.008000-0.300000	0.025 + 0.01	8
0.30001-1.00000	0.025 + 0.01	8
1.00001-2.00000	0.025 + 0.01	8
2.00001-5.00000	0.025 + 0.01	5
5.0001-10.0000	0.03 + 0.015	5
10.0001-30.0000	0.035 + 0.015	5
30.0001-60.0000	0.035 + 0.015	5
60.0001-120.0000	0.035 + 0.015	5

AC Current

Range (A)	% from value + % from range		Max. voltage (V rms)	Max. voltage (V rms)
	40 - 70Hz	15 - 40 Hz 70 - 1000 Hz	15 - 400 Hz	400 - 1000 Hz
0.008000-0.300000	0.025 + 0.01	0.03 + 0.02	5.5	3.5
0.30001-1.00000	0.025 + 0.01	0.03 + 0.02	5.5	3.5
1.00001-2.00000	0.025 + 0.01	0.03 + 0.02	5.5	3.5
2.00001-5.00000	0.025 + 0.01	0.03 + 0.02	3.5	3.5
5.0001-10.0000	0.03 + 0.015	0.04 + 0.02	3.5	3.5
10.0001-30.0000	0.035 + 0.015	0.05 + 0.02	3.5	3.5
30.0001-60.0000	0.035 + 0.015	0.05 + 0.02	3.5	3.5
60.0001-120.0000	0.035 + 0.015	0.05 + 0.02	3.5	3.5


Content of delivery

OCM151 Calibrator
 Owner's Manual, Calibration Sheet,
 Warranty Sheet, RS232 cable


Options

GPIB cable
Caliber - Software for calibration of Instruments

AC Current Output

Source AC	14:35 21. 9.2012	Local
102.000 A 		
Frequency	50.000 Hz	0.053%
Gnd Off Coil Off Sync Int		
Input A meter		
Amplitude	99.990 mA	
Frequency	50.000 Hz	
AC/DC	Freq	Setup

Simulated Transconductance Amplifier

Amplifier AC	14:43 21. 9.2012	Local
117.000 A 		
Frequency	1000.00 Hz	0.053%
Gain	10.00 A/V	
Step	1.0 A	
Gnd Off Coil Off Sync Int		
Input U meter		
Amplitude	11.7069 U	
Frequency	1000.00 Hz	
AC/DC	Freq	Gain Step Setup

Recalibration

Current AC	Setup
Range 300mAac low (30mA)	
Range 300mAac high (300mA)	
Range 1Aac low (0.3A)	
Range 1Aac high (1A)	
Range 2Aac low (1A)	
Range 2Aac high (2A)	
Range 5Aac low (2A)	
Range 5Aac high (5A)	
Range 10Aac low (5A)	
Range 10Aac high (10A)	
Range 120Aac low 1 (10A)	
Range 120Aac high 1 (30A)	
Range 120Aac low 2 (10A)	
Select	Exit