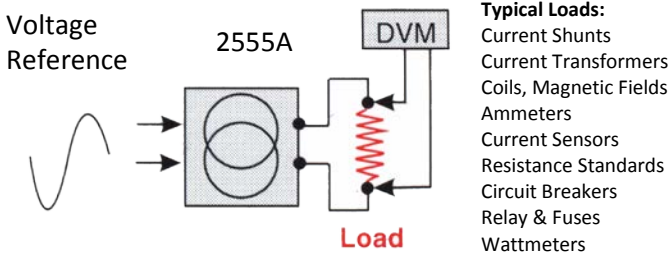


MODEL 2555A

PRECISION AC-DC CURRENT CALIBRATOR

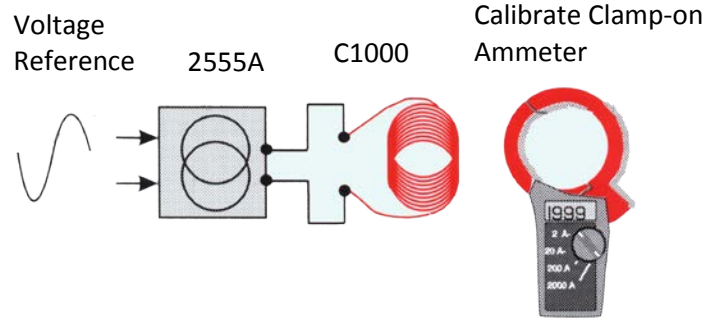
Provides a Variety of Test Capabilities



Current Calibrator Useful For Many Tasks

The Valhalla 2555A is the workhorse in the metrology lab for the calibration of Current shunts, ammeters, clamp-on meters, Current transformers, and even low value resistance standards. The metrology lab isn't the only place a Valhalla 2555A comes in useful. Production departments and Q.C. test areas using the Valhalla 2555A can also benefit. Many companies improve their product reliability by using the 2555A for the screening of fuses, relays, circuit breakers, and a multitude of current sensor incorporated devices.

Drive a 10 turn Coil – Simulate 1000 Amps



Calibrate Clamp-on Meters - Option "C1000"

Valhalla offers the option "C1000" along with the Valhalla 2555A, to make the calibration of clamp-on ammeters, current transformers, and a variety of current sensor (magnetic field based) devices a simple task. The basic principle involves the 2555A driving 100 amps per turn into a 10 turn coil. The Valhalla 2555A Current Calibrator can easily drive the ten turn option "C1000" and simulate 1000 amps. By placing the clamp-on ammeter around and thru the windings of the "C1000" the clamp-on meter under test can be verified for accuracy, and frequency response.

Specifications

Range	DC Accuracy	AC Accuracy		
		100Hz	400Hz	1000Hz
2mA	±0.015% of range ±0.03% of output	±0.15% of range ±0.1% of output	±0.2% of range ±0.2% of output	±0.3% of range ±0.3% of output
20mA	±0.015% of range ±0.03% of output	±0.15% of range ±0.1% of output	±0.2% of range ±0.2% of output	±0.3% of range ±0.3% of output
200mA	±0.015% of range ±0.03% of output	±0.15% of range ±0.1% of output	±0.2% of range ±0.2% of output	±0.3% of range ±0.3% of output
2A	±0.015% of range ±0.03% of output	±0.15% of range ±0.1% of output	±0.2% of range ±0.2% of output	±0.3% of range ±0.3% of output
20A	±0.015% of range ±0.03% of output	±0.15% of range ±0.1% of output	±0.2% of range ±0.2% of output	±0.3% of range ±0.3% of output
100A	±0.03% of range ±0.03% of output	±0.15% of range ±0.1% of output	±0.2% of range ±0.2% of output	±0.3% of range ±0.3% of output

Input Impedance: 100kΩ
Compliance Voltage:.....7VDC or 7Vac (RMS) to 60A
4VDC or 4Vac (RMS) to 100A
Input/Output Ratio: 2.00000V input provides full-scale output
 (1.00000V input produces 100.00A output)
Stability:..... +0.0005% -15 min.(±0.005% for 24 Hours)
Load Regulation: Output current level changes less than ±0.002%
Maximum Input: 3VDC or 2Vac (RMS)
Maximum Isolation Voltage:.....±200VDC or peak AC

Response Time: 1msec to ±0.01% of final value following input amplitude or frequency change
Input Common Mode Rejection: 60dB @ DC linearly decreasing to 40dB @ max frequency
Temp. Coefficient: ±0.001% of output ±0.002% of rng/°C below 20°C or above 30°C: double the above for AC
Power:..... 115/230Vac ± 10% 50-60Hz
Size:.....266mm/10.5" L x 432mm/17" W x 584mm/23" D
Weight:..... 45Kg/100Lbs. Net, 66Kg/140Lbs. shipping

Accessories

HMF	100Amp Cable Set (Jaws Terminated)	C1000	Ten Turn Coil Loop (C.T. Type)
HC	100Amp Cable Set (Spade Lugs)	R3	Rack Mount Adapter