

2554
Portable DC Voltage/Current
Standard



2554
 100 x 210 x 230 mm 4.0 kg
 (4-3/8 x 8-1/4 x 9-1/8" 8.8 lbs)

The 2554 combines a $\pm 0.05\%$ voltage and current standard packed into a compact, rugged case and can be both AC-line and battery operated. Rechargeable battery operation makes the 2554 truly portable and completely isolated from the power line.

SPECIFICATIONS

Output Ranges and Accuracy of Output: (at $23 \pm 2^\circ\text{C}$, relative humidity of 45 to 75%, rated power supply voltage and 6-month calibration cycle)

Range	Output Voltage/Current	Steps	Accuracy of Output
100 V	0 to ± 119.99 V	10 mV	$\pm(0.05\%$ of setting + 10 mV)
10 V	0 to ± 11.999 V	1 mV	$\pm(0.05\%$ of setting + 1 mV)
1 V	0 to ± 1.1999 V	100 μV	$\pm(0.05\%$ of setting + 100 μV)
100 mV	0 to ± 119.99 mV	10 μV	$\pm(0.05\%$ of setting + 10 μV)
10 mV	0 to ± 11.999 mV	1 μV	$\pm(0.05\%$ of setting + 2 μV)
100 mA	0 to ± 119.99 mA	10 μA	$\pm(0.05\%$ of setting + 10 μA)
10 mA	0 to ± 11.999 mA	1 μA	$\pm(0.05\%$ of setting + 1 μA)
1 mA	0 to ± 1.1999 mA	0.1 μA	$\pm(0.05\%$ of setting + 0.1 μA)

Stability: (at constant conditions)
 $\pm(0.001\%$ of setting + 0.0005% of range)/hour
 $\pm(0.005\%$ of setting + 0.001% of range)/day
 $\pm(0.015\%$ of setting + 0.003% of range)/month

Power Requirements: 100, 115, 120, 200, 215, 220, 230 or 240 V AC (must be specified), 50 and 60 Hz or 8 V DC (Ni-Cd battery)

DC Power Source: 8 V DC rechargeable Ni-Cd battery (built in), Recharging time; approx. 15 hours, Continuous operating time; approx. 3 hours at full load

Power Consumption: Approx. 8 VA at maximum load, approx. 15 VA under battery recharging

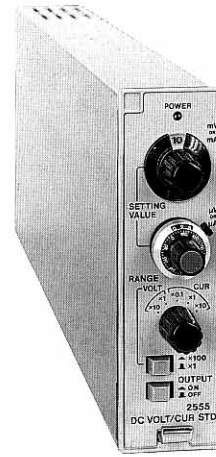
2562 Reference Junction Compensator (Optional Accessory)

Voltage Setting Range: 0 to -3 mV, 2 $\mu\text{V}/\text{div}$. (in combination with 2554, temperature below 0°C cannot be measured)

Accuracy: (at $23 \pm 2^\circ\text{C}$, and relative humidity of 45 to 75%) ± 18 μV

Temperature Coefficient: (at 5 to 45°C) ± 0.3 $\mu\text{V}/^\circ\text{C}$

2555
DC Voltage/Current Standard



2555
 138 x 42 x 374 mm 2.2 kg
 (5-1/2 x 1-5/8 x 14-3/14" 4.9 lbs)

The 2555 is a compact, highly stable DC source which delivers output voltage from 0 to 11 V in 4 ranges, and output current from 0 to 110 mA in 3 ranges with a setting accuracy of $\pm 0.1\%$ or $\pm 0.2\%$.

- EXCELLENT STABILITY AND HIGH RESOLUTION – 2 $\mu\text{V}/\text{div}$., 200 nA/div.
- 0 TO 11 V IN 4 RANGES, 0 TO 110 mA IN 3 RANGES – 10, 100 mV, 1, 10 V; 1, 10, 100 mA
- SETTING ACCURACY – $\pm(0.1\% + 10 \mu\text{V})$ ON 10 mV RANGE
- EASY-TO-USE PUSHBUTTON AND DIAL OPERATION
- COMPACT, LIGHTWEIGHT
 Measures 138(H) x 42(W) x 374(D) mm, and weighs only 2.2 kg.
- RACK MOUNTING OR PORTABLE

SPECIFICATIONS

Output Ranges, Accuracy of Output, and Steps:

Range	Output Voltage/Current	*Accuracy of Output (% of setting)	Steps
10 V	0 to 11 V	$\pm(0.1\% + 10 \text{ mV})$	2 mV
1 V	0 to 1.1 V	$\pm(0.1\% + 1 \text{ mV})$	200 μV
100 mV	0 to 110 mV	$\pm(0.1\% + 100 \mu\text{V})$	20 μV
10 mV	0 to 11 mV	$\pm(0.1\% + 10 \mu\text{V})$	2 μV
100 mA	0 to 110 mA	$\pm(0.2\% + 100 \mu\text{A})$	20 μA
10 mA	0 to 11 mA	$\pm(0.2\% + 10 \mu\text{A})$	2 μA
1 mA	0 to 1.1 mA	$\pm(0.2\% + 1 \mu\text{A})$	200 nA

* Ambient Temperature: $23 \pm 3^\circ\text{C}$

Power Requirements: 100, 120, 200, 220, or 240 V AC (must be specified), 50 and 60 Hz

Power Consumption: 8 VA max. at no load, 10 VA max. at full load
Accessories supplied at no extra cost: Power cord (2- or 3-prong type) ... 1 set, fuse (0.2 A) ... 1 pc, stand adapter for desk-top use ... 1 pc