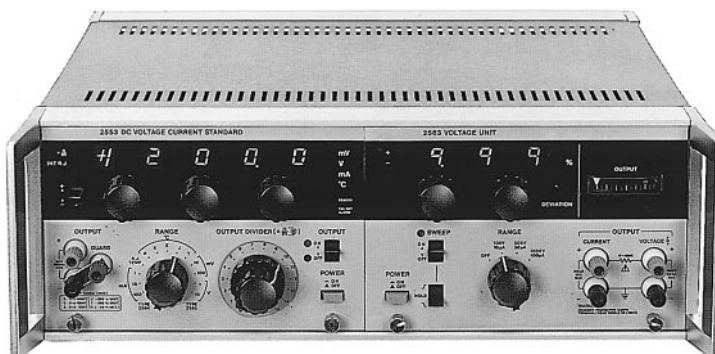


VOLTAGE/CURRENT STANDARDS

YOKOGAWA

2560

2560
DC Calibration Sets

256041 or 256043

439 × 149 × 365 mm 13.5 kg
(9 × 5-7/8 × 14-3/8" 29.8 lbs)

The 2560 DC Calibration Sets are stable, precision sources which assure simple, fast testing and calibration of DC instruments. Four different models are available: 2553 DC Voltage/Current Standard and Voltage unit; 2553, Voltage and Current units; with or without a General Purpose Interface Bus (GP-IB) that meets the IEEE 488 Standard.

Standard models feature many versatile functions including a fractional output divider %-error measurement, and sweep mode. An optional GP-IB allows the 2560 to be interfaced with other instruments, or applied in an automatic calibrator or test system.

sults. Calibration error is directly displayed in percent of setting on the 3-digit LED.

■ Sweep mode

Continuously variable outputs from 0 to 100% of setting, or 100% to 0 in about 16 seconds. This mode is especially valuable for friction testing of indicating instruments under identical test conditions.

■ Fully programmable using an optional GP-IB

The output range, polarity, voltage, current and output ON/OFF are remotely programmable for system interfaces.

AVAILABLE MODELS

*Model	Composition
256041	2553 DC Voltage/Current Standard and Voltage unit
256042	2553, Voltage unit and Current unit
256043	2553 and Voltage unit with GP-IB
256044	2553, Voltage unit and Current unit with GP-IB

*Specify temperature setting range.

- **High accuracy** — $\pm 0.02\%$ to $\pm 0.3\%$
- **Wide output ranges**
0 to 1,200V in 7 ranges, 0 to 36A in 9 ranges, emf output for 5 TC types conforming to IEC584-1
- **Non-contact output setting for long-term stable operation**
- **Output Divider from 1 to 15 divisions**
Voltage and current settings can be divided into 1 to 15 uniform divisions, providing simple and fast calibration or adjustment of most meters including meters of non-decade ranges.
- **% Deviation readout**
The % deviation mode provides error measurement without troublesome, time-consuming calculation of test re-

SPECIFICATIONS

- Output Setting:** 3 dials (opto-setting using photocouplers), 1st and 2nd dials... 16 steps, 3rd dial... 32 steps
- Setting Value Indication:** 5-digit red LED display
- Output Unit Marks:** mV, V, mA or °C
- Output Divider:** DIVIDER output = output setting × n/m, m... 1, 2 through 15 in 15 uniform divisions, n... 0, 1 through 15 ($n \leq m$)
- Accuracy of Output Divider:** Within ± 1 digit of LSD
- % Deviation Setting:** 2 dials on the front panel of voltage unit (opto-setting using photocouplers), up to 9.99% of output setting
- % Deviation Indication:** 3-digit LED display of up to 9.99% indication
- Sweep Speed:** Approx. 16 seconds for sweep from 0 to 100% of setting or 100% to 0
- Calibration Cycle:** 3 months
- Operating Temperature Range:** 5 to 40°C (41 to 104°F)
- Humidity Range:** 20 to 80% relative humidity
- Warmup Time:** Approx. 30 minutes
- Power Requirements:** 100, 120, 200, 220 or 240 V AC (must be specified), 50 and 60 Hz
- Accessories supplied at no extra cost:** Power cord (2- or 3-prong type)... 2 sets (256041, 256043), 3 sets (256042, 256044), fuses (1A)... 2 pcs, fuses (1A, time-lag type)... 2 pcs, fuses (5A)... 2 pcs
- Note:** For DC voltage/current supply, see 2553