

This handheld ohmSOURCE is an effective option for field applications for all industries including automotive, medical, test and measurement, and telecommunications. This micro-processor-controlled, programmable resistance decade box provides highly accurate resistance values. It features a user-friendly interface, resistances of up to 24 MΩ, power of up to 1 W, and two banana-to-alligator cables for convenient connection. While remaining cost-effective, the ohmSOURCE still offers many advanced features to ensure that it's practical for both laboratory and field applications.



OS-270 Resistance Box with Leads Attached

**Keypad interface:**

Enter resistance values using a calculator-style interface.

**Quick-value keys:**

Recall up to four frequently used resistance values with one touch.

**Memory keys:**

Store resistance values in up to 10 additional memory locations (0-9).

**Current limiter (user-defined):**

Limits the amount of current passing through the ohmSOURCE to prevent possible damage.

**Increment value setting:**

Change resistance by user-defined increments or select standard resistance values.

**Open key:**

Completely isolate the connection terminals with the touch of a key.

**Easy-to-read display:**

Large LCD display makes it easy to read the output.

**Automatic residual resistance:**

The residual resistance of the ohmSOURCE is automatically included in the output resistance value.  
No zero-resistance subtraction required.

**Auto-off power:**

To conserve power, the ohmSOURCE automatically shuts off after 4 minutes of inactivity.

**Field calibration:**

Easily calibrate the ohmSOURCE with a high-precision ohmmeter. Annual factory calibration is recommended.

**Specifications:**

	Model OS-260	Model OS-270
Range	0* to 24,000,000.0 Ω	0* to 1,500,000.00 Ω
Resolution	0.1 Ω	0.01 Ω
Accuracy	≤1,000.0 Ω: ±0.5 Ω >1,000.0 Ω: ±0.1%	≤1,000.0 Ω: ±0.1 Ω >1,000.0 Ω: ±0.01%
Power Rating	1.0 W	1.0 W
Power Supply	4 AA alkaline batteries	4 AA alkaline batteries

\*Minimum settable resistance, determined at calibration, is approximately 1 Ω



OS-260 Resistance Box

**Flash software updates:**

To allow reprogramming of product firmware, the microprocessor has flash program memory.

**Test leads:**

Each ohmSOURCE includes two banana-plug-to-mini-alligator-clip leads.

**Electrical isolation:**

Device circuit is completely isolated from output resistance

**Mechanical:**

**Dimensions:** 8.4 cm W x 17.3 cm H x 3.17 cm D (3.3" W x 6.6" H x 1.25" D)  
**Weight:** 450 g (1 lb)

### OPTIONAL ACCESSORIES

**OS-91.001 Software Development Kit**

For simulating RTD's, this software kit lets users download up to three different data tables to be downloaded into the ohmSOURCE. These data tables, containing up to 256 equivalences, also make it possible for the unit to simulate transducers such as thermistors and conductivity sensors. For convenient PC connection, the software kit includes a USB cable.

