

This handheld ohmSOURCE is an effective option for field applications in all industries including automotive, medical, test and measurement, and telecommunications. This microprocessor-controlled, programmable resistance decade box provides highly accurate and stable resistance values. It features a user-friendly interface, resistances of up to 24 M $\Omega$ , 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 is 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 limit (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 output terminals with the touch of a key.

**Easy-to-read display:**

Large LCD display makes it easy to read the output.

**Automatic residual resistance compensation:**

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 $\Omega$	0* to 1,500,000.00 $\Omega$
Resolution	0.1 $\Omega$	0.01 $\Omega$
Accuracy	$\leq 1,000.0 \Omega$ : $\pm 0.5 \Omega$ $> 1,000.0 \Omega$ : $\pm 0.1\%$	$\leq 1,000.0 \Omega$ : $\pm 0.1 \Omega$ $> 1,000.0 \Omega$ : $\pm 0.01\%$
Power Rating	1.0 W or 200 Vdc max.	
Power Supply	4 AAA alkaline batteries	4 AAA alkaline batteries

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



Model OS-260 Resistance Box

**USB interface:**

USB interface via USB mini connector for firmware updates.

**OS-91.002 Test leads:**

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

**Electrical isolation:**

The ohmSOURCE circuit is completely isolated

**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)

## ACCESSORIES

OS-91.002

Additional Lead Set

