

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



IET LABS, INC. in the GenRad Tradition

www.ietlabs.com  
TEL: (516) 334-5959 • (800) 899-8438 • FAX: (516) 334-5988

OS datasheet/July 2020