

# OPERATING INSTRUCTIONS

## Economy Sound Level Meter No. 32405

### 1. Purpose

Use the Economy Sound Level meter to recognize decibel ratings, to compare sound levels to legal safety recommendations, and to test the effectiveness of acoustic and sound-insulating materials.

### 2. Description

The meter is a hand held instrument that measures sound decibels in two ranges. The meter face has the lower range numbers printed in blue and the upper range in red. The meter face also has a battery check indication. A dial switch sets the meter for high or low range, calibration, and battery check. It has two "off" positions. The Economy Sound Level Meter comes with its own carry case.

**Specifications:** (Designed to meet decibel frequency weighting A (dbA) ANSI or JIS specifications.)

Range:	35-80dB 75-120dB
Microphone:	Capacitance
Power supply:	9V Battery (Included)
Calibration:	Signal Oscillator
Dimensions:	16 x 6.5 x 3.8cm (6.3 x 2.6 x 1.5")
Weight:	165g (5.82 oz.)

### 3. Operation

Before using the meter set the dial at the Batt mark. The meter pointer will move to the OK mark if the battery is usable. Calibrate the meter by setting the dial at the CAL mark. The meter should read exactly at 70 decibels. If it doesn't, adjust the potentiometer located at the back of the meter inside the battery well. Turn the adjusting screw with a screwdriver until the meter reads 70 decibels.

In most instances you will be measuring sound levels that are within.....i

### 4. Maintenance

The Economy Sound Level Meter needs no special maintenance. If you should experience any difficulty with a meter, please contact Central Scientific Company, giving details of the problem. To ensure better service, please do not return any apparatus to Central Scientific Company until we have sent you authorization.

Written 6/89