



# Linco-Electromatic, Inc.

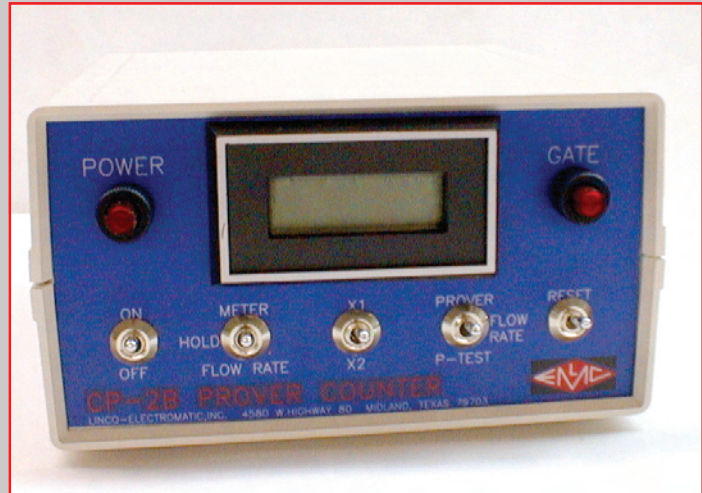
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## LEMC® CP2B Prover Counter

The LEMC model CP-2B prover counter may be used for proving, counting or totalizing applications. Completely self contained, it requires no accessory equipment other than connection to a transducer, such as a photo pulser, turbine meter, tachometer, magnetic pickup or other device which delivers a pulse or sine wave output.

The LEMC model CP-2B accepts high-speed pulses using either a balanced input for inherent noise reduction or an unbalanced input. These pulses are processed using a high sensitivity input amplifier and displayed using high-speed integrated circuits and a long life crystal display. A sensitivity adjustment (VR1) is included in the unit to remove unwanted noise. For proving, internal gating circuits are provided to automatically start and stop the counter. Counts may be accumulated if desired and all gate and reset functions may be controlled remotely.

The LEMC model CP-2B prover counter will operate from either a 120 volt AC power or a 12 VDC power source and provide a regulated voltage for operation of a photo pulser. The use of all solid state circuitry provides inherent reliability and compactness.



### FREQUENCY RANGE:

0-10,000 Hz for pulse input  
10 to 10,000 Hz for sine wave input

### INPUTS:

Balanced - com-mode low level  
Unbalanced - high level

### SENSITIVITY:

30 millivolts RMS to 3,000 Hz  
90 millivolts RMS to 10,000 Hz

### ACCURACY:

Plus or minus one count

### COUNT CAPABILITY:

999,999 counts

### READOUTS:

Liquid crystal display  
0.35" high characters

### HOUSING:

General purpose with rubber feet

### SIZE AND WEIGHT:

3.06" H (excluding removable feet) x 6.06" W x 8" D  
(Excluding front panel controls and rear connectors)  
Weight - 2.5 pounds

### OPERATING TEMPERATURE:

Minus 20 degrees F. to plus 158 degrees F.

### FRONT PANEL CONTROLS:

Prove, flow rate, P-test, X1 - X2 modes, and reset

### REMOTE PROVISIONS:

All gate circuits and counter reset may be operated remotely.

### GATE DELAY:

Selective with two jumpers  
Range 0.5 to 2.5 seconds

### POWER REQUIREMENTS:

120 volts AC, 50/60 Hz or  
12 to 15 volts DC, 1/2 amp.