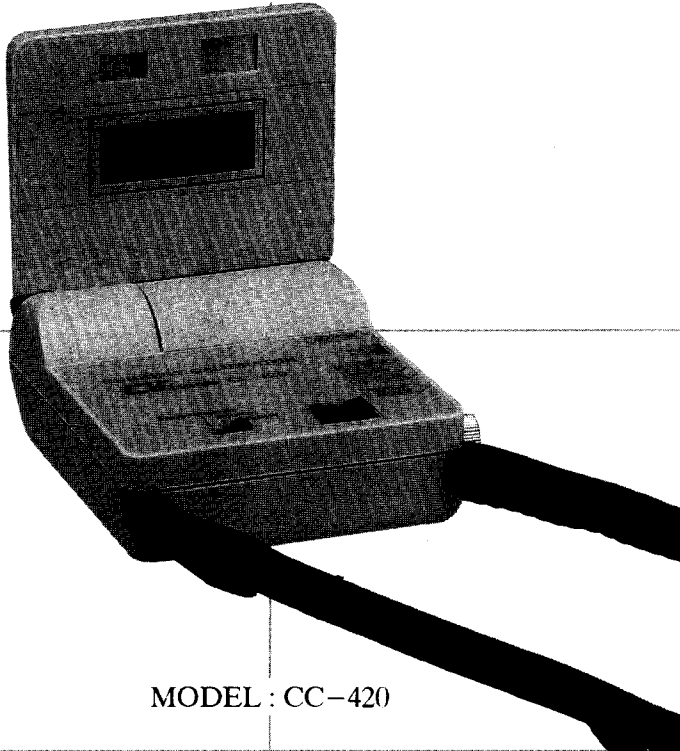


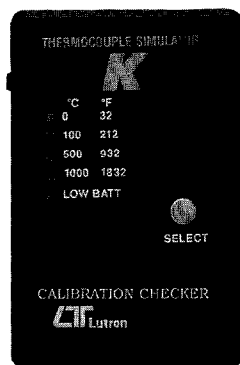
# CALIBRATOR, SIMULATOR

*Current Calibrator, 4 – 20 mA Simulator, pH Simulator,  
J, K, Thermocouple Simulator, High Precision, Pocket Size*

RS 180-7155

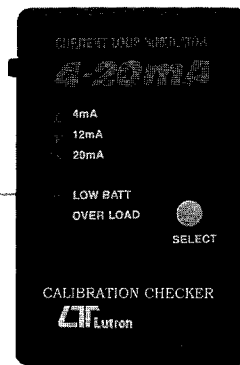


MODEL : CC-420



MODEL : CC-TEMPK

RS 180-7098



MODEL : CC-MA

RS 180-7082

**The Art of Measurement**

CATALOG 351

## CURRENT CALIBRATOR, Model : CC-420

### FEATURES

- \* Precision meter for calibrating process devices and measuring process signals.
- \* Adjustable 0-24mA source for calibrating current devices.
- \* Calibrator drives loads to 500 ohms
- \* Power or Measure a two-wire current loop
- \* Display resolution to 0.01mA or 0.1mA or 0.1% ; High accuracy 0.025%
- \* Oyster case with "flip-up" display is ideal for hand-held or benchtop applications
- \* Three modes provide the quality and accuracy of benchtop calibrator: 1. Precision current source. 2. Measurement of a current signal. 3. Power and measurement of two wire transmitters.
- \* The large LCD can display readings in mA (to 0.01mA) or as a percentage of the 0-24mA range (4-20mA = 0-100.0%).
- \* Precision readings and rugged design of the unique Oyster series case makes this the ideal portable calibrator for process applications, manufacturing, product design, or laboratory facilities. When the lid is closed, the power is automatically shut off and the LCD is protected.

### SPECIFICATIONS

Operating modes	Source	Output 0 to 24 mA current for loads up to 500 ohms.
	Measure	0 to 24 mA current signal.
	Power/Measure	Provides power (12VDC) to the loop.
Input/output ranges and display	0 to 19.99 mA, 0 to 24.0 mA. -25.0 to 125.0% (representing 0 to 24 mA).	
Resolution	0.01 mA (0 to 19.99 mA); 0.1 mA (0 to 24.0 mA); 0.1% (-25 to 125.0%).	
Accuracy	±0.025%.	
Power	006P 9 volt battery or AC adaptor(optional).	
Weight	Approx. 340 g (0.75 LB).	
Dimension	96x108x45mm (3.8x4.2x1.8").	
Accessories included	Test leads terminated with spade lugs.....1 PC. Operational manual.....1 PC.	

### J, K THERMOCOUPLE SIMULATOR, Model : CC-TEMPJ, CC-TEMPK PH SIMULATOR, Model : CC-PH ; 4-20 mA SIMULATOR, Model : CC-MA

- \* Low cost, pocket sized simulators for J or K Thermocouples, pH and 4 - 20 mA current loops.
- \* New checkers are easy to use and provide a quick way for checking the calibration of your instrument. Whether you device is a thermometer, pH meter, controller, indicator or recorder, these checkers will determine instantly if your device needs to be calibrated or if your sensor needs to be replaced.
- \* Ideal as a precision "source" for re-calibrating process indicators and controllers. 4-20 mA output of Current Loop Checker can be used to set up process device to display in approximate engineering units. Thermocouple and pH Checkers enable user to easily perform field recalibrations of meters or controllers.
- \* Compact case features push button range selector switch for one hand operation. Bright red LEDs indicate simulation range or when battery power falls below a specific level.
- \* Easy operation. Simply plug the checker's calibration cable to your device select desired calibration output read the displayed value on your device. If the displayed value is the same as simulated, then your device is in calibration.

### THERMOCOUPLE SIMULATOR

Choice of J or K Thermocouple Types with 4 common check points in °F and °C including:  
 0 °C (32 °F), 100 °C (212 °F), 200 °C (392 °F), or 400 °C (752 °F) for Type J(model : CC-TEMPJ)  
 0 °C (32 °F), 100 °C (212 °F), 500 °C (932 °F), or 1000 °C (1832 °F) for Type K(model : CC-TEMPK)  
 Accuracy: ± 0.5°C (± 1°F).

### PH SIMULATOR

Simulates values for pH 4.00, 7.00 and 10.000 with accuracy of 0.1%. Select High Ohm for testing the impedance of your device. Complete with calibration cable terminated with BNC plug.

### 4-20 mA SIMULATOR

Simulates output ranges of 4 mA, 12 mA and 20 mA from transmitter. Ideal for checking calibration and as a current source for setting up engineering units on a process indicator or controller. Accurate to 0.001mA. Overload indication when output selecting current less than 20 mA, 12 mA or 4 mA. Complete with calibration cable terminated with spade lugs.

\* Appearance and specifications listed in this brochure are subject to change without notice.