



## Lutron CC-421 VOLTAGE/CURRENT CALIBRATOR

- **The instruments Powers or Measure** a two-wire current loop
- **Four function** provide the quality and accuracy of handheld calibrator:
  - a. Precision current source
  - b. Measurement of a current signal
  - c. Power and measurement of two wire loop
  - d. Precision DC mV source
- **Portable instrument** for calibrating process devices and measuring process signals
- **Adjustable** 0-24 mA current source
- **Adjustable** -199.9 mV to +1.99.9 mV DC voltage source
- **Current calibrator** drives loads up to 500 ohms
- **Accessories included:** Cable with the alligator pairs (red & black), LN-TL 421 and operating manual

### SPECIFICATIONS

|                               |                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Display:</b>               | LCD display, max. display counts 1999, 13 mm ( 0.5") digit size                                                     |
| <b>Function:</b>              | 1) Current source<br>2) Current measurement<br>3) Power and current measurement of two wire loop<br>4) DC mV source |
| <b>Sampling time:</b>         | Approx. 0.4 second                                                                                                  |
| <b>Operating temperature:</b> | 0°C to 50°C (32°F to 122°F)                                                                                         |
| <b>Operating humidity:</b>    | Less than 80% RH                                                                                                    |
| <b>Power supply:</b>          | 006P DC 9V, MN1604/PP3 battery or equivalent Alkaline type or heavy duty type                                       |
| <b>Dimension:</b>             | 185 x 78 x 38 mm (7.3 x 3.0 x 1.5 inch)                                                                             |
| <b>Weight:</b>                | 265gr. / 0.58 LB (including battery)                                                                                |

### ELECTRICAL SPECIFICATIONS (23°C ±5°C)

#### CURRENT SOURCE

| Range        | Display resolution | Accuracy         |
|--------------|--------------------|------------------|
| 0 - 19.99 mA | 0.01 mA            | ±(0.25% FS + 1d) |
| 0 - 24 mA    | 0.1 mA             | ±(0.5% FS + 1d)  |

#### POWER AND CURRENT MEASUREMENT OF TWO WIRE LOOP

| Range        | Display resolution | Accuracy         |
|--------------|--------------------|------------------|
| 0 - 19.99 mA | 0.01 mA            | ±(0.25% FS + 1d) |
| 0 - 24 mA    | 0.1 mA             | ±(0.5% FS + 1d)  |

#### CURRENT MEASUREMENT

| Range        | Display resolution | Accuracy         |
|--------------|--------------------|------------------|
| 0 - 19.99 mA | 0.01 mA            | ±(0.25% FS + 1d) |
| 0 - 24 mA    | 0.1 mA             | ±(0.5% FS + 1d)  |

**DC mV SOURCE**

| <b>Range</b>        | <b>Display resolution</b> | <b>Accuracy</b>               |
|---------------------|---------------------------|-------------------------------|
| -199.9 to +199.9 mA | 0.1 mA                    | $\pm(0.25\% \text{ FS} + 1d)$ |

Provides power DC 12V 2V to the loop and measures current  
Output measured load impedance should > 1 kOhms  
FS: full scale