

4-20mA  
PORTABLE  
CALIBRATOR

## LOW COST PORTABLE 4-20mA CALIBRATOR/RECEIVER

Model  
420

### FEATURES:

- Range: 3-21mA I/O
- High Grade Potentiometer For Precise & Smooth Setting
- Built-In Loop Powered Display
- Simple Operation (9V battery)
- High Burden Capability  $\leq 1K$  Ohm



LED

### APPLICATIONS:

- Calibration/Test Of:
- Digital Panel Meters, PLC
- Transmitters, Sensors, etc.
- Current Loop Test/Calibration

10-12-15

**ORDER: MODEL 420E-\$325.00 FOR LED**

**DESCRIPTION:** OTEK's New Model 420 was developed by popular demand for a LOW COST, no frills field calibrator for any device requiring the popular 4-20mA current loop signal. The 420 comes in a compact 4 1/2 X 2 1/2 X 3/4" housing. "**NO HANDS**" are required to operate the 420 once you press the "ON" button and set the output current desired and when you finish, just press the "OFF" button. Standard range displayed on the 4 digit Digital Panel Meter is 25.00 mA max. Any standard 9V "Transistor Type" battery will power the 420 capable of operating down to 8V. The 420 can drive up to 1K  $\Omega$  loads or sustain up to 20V burden of the load. Ideal for Loop Powered Instruments! Stand by current (if you forget to turn it off) is a mere 6 $\mu$ A!

**The Display:** OTEK's LPL Series is loop powered and will only turn on if your loop is connected with a load (as a transmitter) and if your loop is on (as a receiver). No power to waste!

**Transmitter:** Just connect your load into the output jack, turn on your 420 and adjust the output current.

**Receiver:** Plug the cable into the input jack and read the input loop value in mA. No need to turn the power on! It's all Powerless™!  
Need a PAC (Programmable Automation Controller) transmitter/receiver for your DCS/SCADA or stand alone? See our NT Series.

### SPECIFICATIONS (Transmitter):

- \*Accuracy of Setting:  $\pm 0.01$ mA
- \*Stability:  $\pm 0.01$ mA (0-60°C)
- \*Power Input: 8-12VDC (9V Battery)
- \*Minimum Load: 0  $\Omega$
- \*Maximum Load: 1K  $\Omega$
- \*Max. Loop Burden: 20VDC @ 20mA
- \*Display Height: 4 1/4" Red LED
- \*Output Min/Max: 3/21mA
- \*Open Loop Voltage/mA: 25/36
- \*Operating Temperature: 0-60°C
- \*Storage Temperature: -10 to +70°C
- \*Cable: 24" with Alligator Clips & 3.5mm mono male plug (2)

### SPECIFICATIONS (Receiver):

- \*Loop Powered 3-30mA Range, Calibrated for 4-20mA=4.00-20.00



IF YOU DON'T SEE IT  
ASK FOR IT!

Tel: 520-748-7900 Fax: 520-790-2808  
Toll Free: 877-BAR-OTTEK (227-6835)  
E-Mail:sales@otekcorp.com  
Web:www.otekcorp.com

**OTTEK**™  
CORP.  
Since 1974

4016 E. TENNESSEE ST.  
TUCSON, AZ. 85714 U.S.A

MADE IN  
USA

