

Emphatec SigNext®

Loop Calibrator



Features

- Microprocessor based calibrator for high accuracy and stability
- Loop powered; no battery required
- Easy to use; 2 button operation

Ordering Data

Type	Order Number
Emphatec SigNext® Loop Calibrator	330208

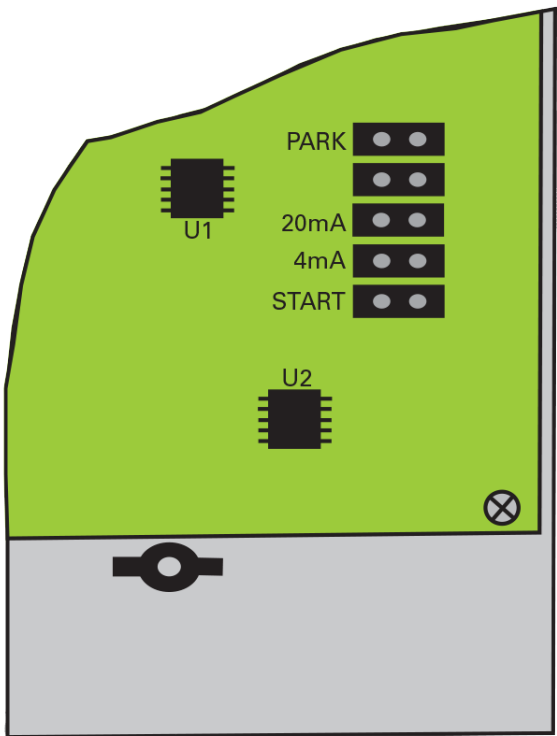
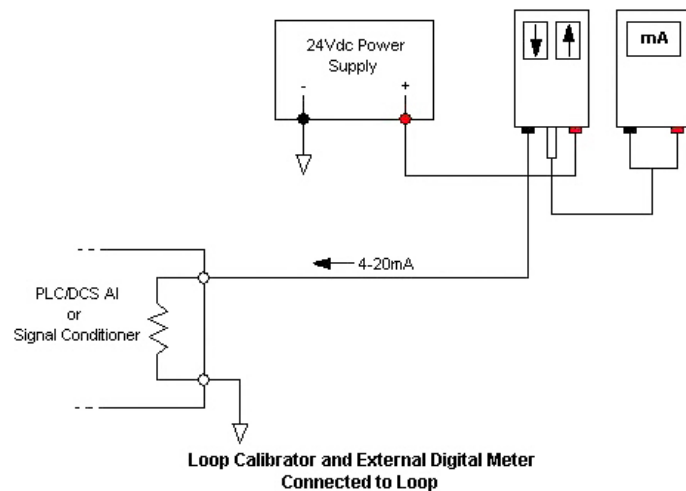
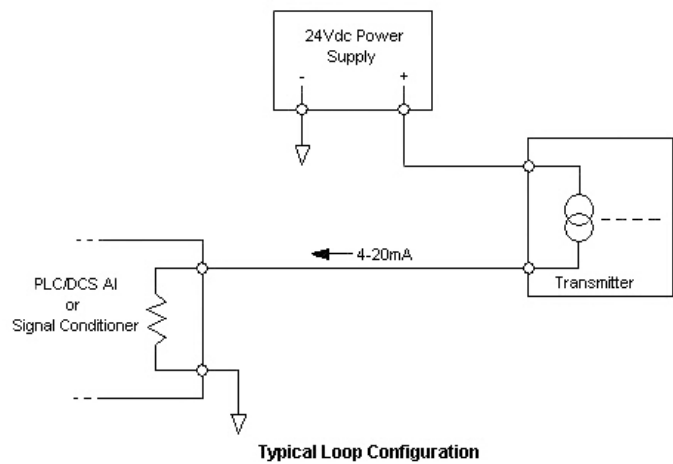
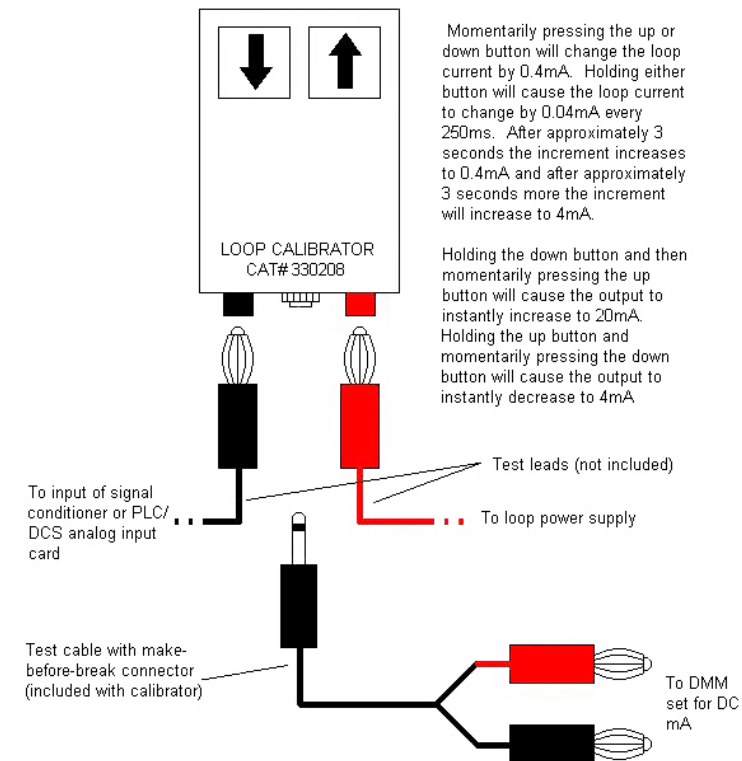
Emphatec SigNext® Loop Calibrator is low cost and easy to use. It is Intended for use with powered loops so no batteries or AC power adaptors are required. There are only 2 buttons - one to increase the loop current and one to decrease it. Momentarily pressing either the up or the down button will change the loop current by 0.04mA. Holding either button will change the loop current step size - after approximately 3 seconds the change will be 4mA.

To change the current to 20mA instantly just hold the down button and momentarily press the up button. Holding the up button and momentarily pushing the down button will instantly change the current to 4mA.

The loop impedance can be 500Ω as long as the loop voltage is greater than 22Vdc.

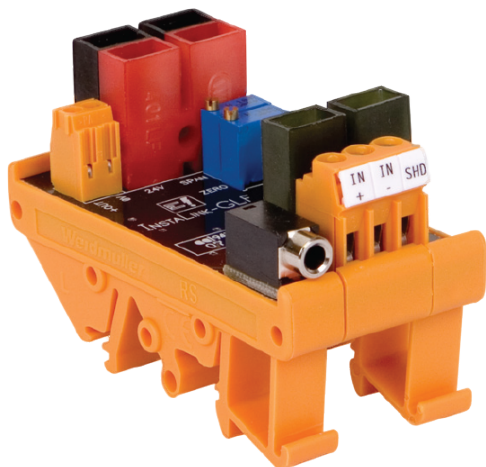
Instead of using a costly internal digital display we have opted to make provision for connection to an external meter. A make-before-break jack is provided so the meter can be connected quickly and easily without interrupting the loop. This is the same make-before-break jack used on some of our InstaLink modules. The meter cable is provided with the calibrator.

Technical Data



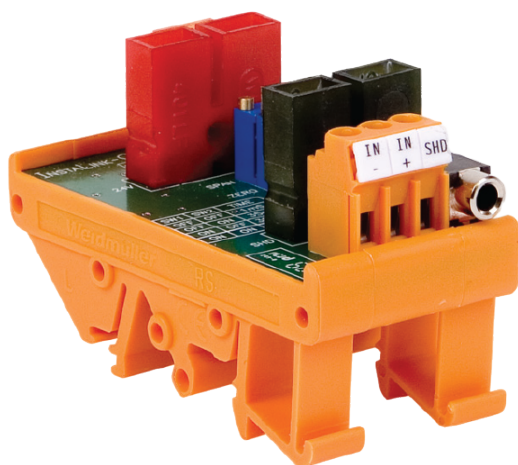
- Remove the screw from the back of the calibrator housing and remove the cover.
- Set the loop current to the minimum desired value, typically 4mA.
- Move the jumper from the park location to the 4mA location. This sets the minimum current achieved when the up button is held and the down button is momentarily pressed. Return the jumper to the park position.
- Set the loop current to the maximum desired value, typically 20mA.
- Move the jumper from the park location to the 20mA location. This sets the maximum current achieved when the down button is held and the up button is pressed momentarily. Return the jumper to the park position.

Note: The calibration steps above are only intended for the minimum and maximum values to be used for the instant change feature (holding one button and momentarily pressing the other). If 5mA is selected as the instant change minimum the down pushbutton can be used to set the loop current to values between 4mA and 5mA.



Emphatec InstaLink®- GLF

- Eliminates ground loops in 4-20mA analog circuits
- Make-before-break test jacks for temporary connection of meter
- Order Number # 330002



Emphatec InstaLink®- CLI

- 4-20mA loop isolator
- 2 wire input and output
- Adjustable response time
- Order Number # 330004



Emphatec SigNext®- DT

- Analog isolator with 3 port isolation
- 7 input and 6 output ranges, DIP switch selectable
- Plug and socket connectors
- Order Number # 330053

Check www.klippon-engineering.com/emphatec for more Emphatec InstaLink® and Emphatec SigNext® analog signal conditioners.

Weidmuller Ltd.

10 Spy Court
Markham, ON
Canada

L3R 5H6

Toll Free: (800)268-4080

www.klippon-engineering.com/emphatec

Subject to technical changes

06/21 CA KE | LIT 1016