

The RS-232 / Current Loop Converter can be used instead of a CVCC or a BIC-II (single connection only)

Ensure you have both the converter and the power supply.

Bipolar Current Loop Communication

00001-1

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mA to Serial Signal Conversion

Bi-Polar Communication between a PC and Milltronics Products

Many Milltronics' products allow for bi-polar (mA) current loop communication. These products can be connected to a PC using a B&B RS-232 / Current Loop Converter model 232CL4R.

For details on the ASCII stream see the manual for the Milltronics product to which you are connecting. Products which support bi-polar communication are:

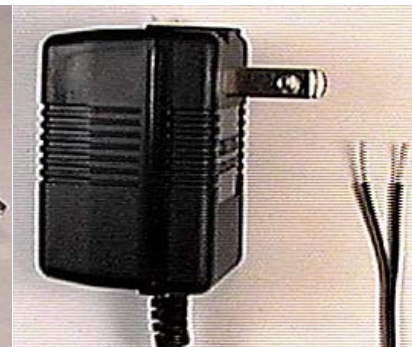
- Accumass BW 100
- Compuscale III
- Compuflo III
- AiRanger XPL / DPL / SPL
- CraneRanger
- InterRanger DPS 300

For a background in current loop conversion, see the B&B Current Loop Application Note (CLAN1495) available from B&B Electronics (www.bb-elec.com).

B&B Equipment Required



232CL4R



232PS2 (115Vac / 60Hz)
E1250BL-BB3 (230Vac / 50Hz)

Keywords:

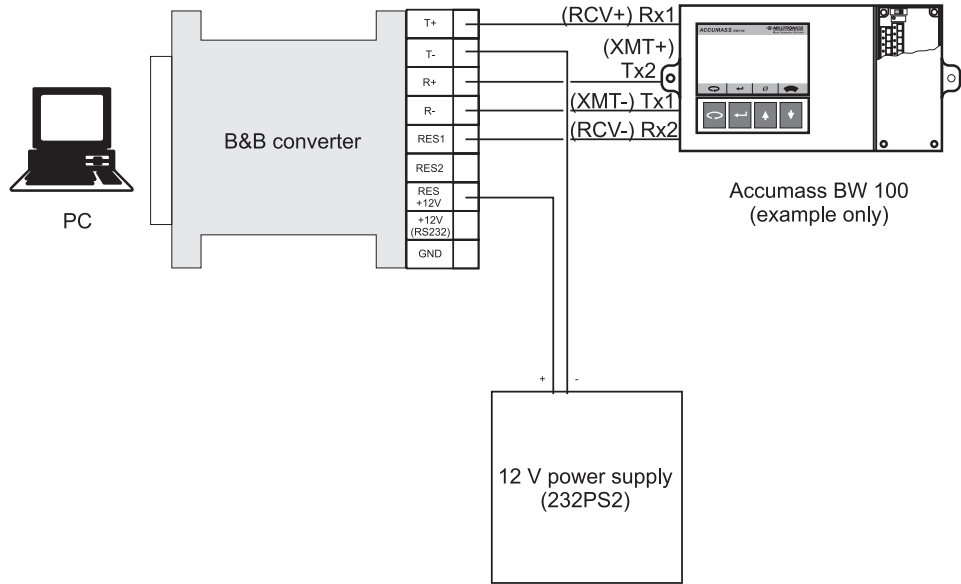
mA signal conversion, analog signal conversion, RS-232, RS-485, B&B Electronics, signal conversion, current loop converter, 232CL4R, 232PS2, BIC-II, CVCC

The converter changes the signal of the bipolar communications loop to RS-232 so that the ASCII stream can be interpreted by a program on the PC. This program is supplied by the customer.

Connecting the RS232 to Current Loop Converter

The following diagram shows the appropriate termination of both the BW100 and Level products that have bipolar current loop communications capability.

Mass Dynamics Products



Compuscale III and Compuflo III terminal names shown in brackets.

Please note that the terminal designation on the BW100 is reverse to the level products.

Level Products

