EL-USB-4C
Lascar Data Logger with
Adaptor Cable for CDI Flowmeter

Preparation:

Install the logger software in your computer, according to the instructions provided by Lascar, and install the battery in the logger.

To set up the logger for your application, start the Easylog software and select the green button to set up and start the logger. On the next screen, specify a name for the logger and the sampling interval, and select "custom calibration". On the next screen, type "scfm" (or other desired units of measure) into the pull-down box. In the "Calibration" section, set an input of 4 mA to correspond to a graph output of 0 scfm (or other units of measure) and set 20 mA to correspond to an output equal to the milliamp full-scale range of the meter. Please see the "Note on scaling" below.

Installation:

Remove the cover from the meter and lift out the circuit board. There are two plugs in holes at one end of the meter. Remove the one that is closer to the terminal block. Insert the cable into the resulting hole and screw the fitting into place. Connect the bent red wire to the terminal marked "mA-" and connect the shorter black wire to the terminal marked "DC-". Tighten the end portion of the fitting and re-install the meter's display and cover. At the logger, connect the red wire to the "+" terminal and the black wire to the "-" terminal. The jumper that was furnished installed in the meter, between DC+ and mA+, must be in place.

Note: A longer cable than the cable provided may be substituted in order to better position the data logger. The alligator clips included are not needed.

Note on data readings:

During the time the data logger is not attached to the flowmeter, the logger will have negative readings.

Note on scaling:

The milliamp full-scale value of the meter is not the same as the calibrated range of the meter. The milliamp full-scale value is shown initially upon powering up the meter. It is also on a label inside of the meter or it can be found by pressing the button inside the meter, next to the LED, twice. If the meter is displaying flow in metric units, this procedure will display the milliamp scaling in the same units.

CDI Meters, Inc.
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