



Front Panel View

Main Features

The AC-2002-3 is a DC signal conditioner that is very easy to use and operate. The digital display can be scaled for direct engineering units or up to 100,000 counts. The unit has a Peak feature which captures the maximum value. In the Follow position, the unit reads the current value. The AC-2002-3 comes standard with RS232 interface for data acquisition.

Specifications

- Peak Hold for capturing the maximum force applied
- Press Button Zero
- 6 Digit LED Display
- RS232
- 240 VAC Operation
- Dimensions: 240 x 260 x 90mm (W x D x H)

Load Cell Transducer 9 Pin Connection

- Pin 1 – Excitation -
- Pin 2 – Signal +
- Pin 3 – Signal -
- Pin 4 – Excitation +
- Pin 5 - Shield

RS232 Connection

- Pin 2 - RX
- Pin 3 - TX
- Pin 7 - Ground



Rear Panel View

RS232 Communication

- Baud Rate - 2400
- Data Bits - 8
- Start Bits - 1
- Stop Bits
- Parity Bits - None

Basic Operation

- Connect the load cell cable
- Turn the power switch to the "ON" position
- Position the slide switch on the back panel to "COMP" for compression loading on the load cell and "TENS" for the tension loading on the load cell.
Note: The displayed value will be a positive number for both compression and tension loads. A positive number is required for the maximum peak load to be captured.
- Push the "Zero" button in to zero the output of the load cell
- Position the Follow / Peak toggle switch to the "Peak" position to read the maximum force applied or to the "Follow" position to read the current force being applied. To re-set the maximum displayed value simply flip to the "Follow" position and then back to the "Peak" position