



DC-1250

2 Channel Vibration Recorder

The Vibration Recorder is used to display and record machinery vibration. Four components make up the system. They are as follows:

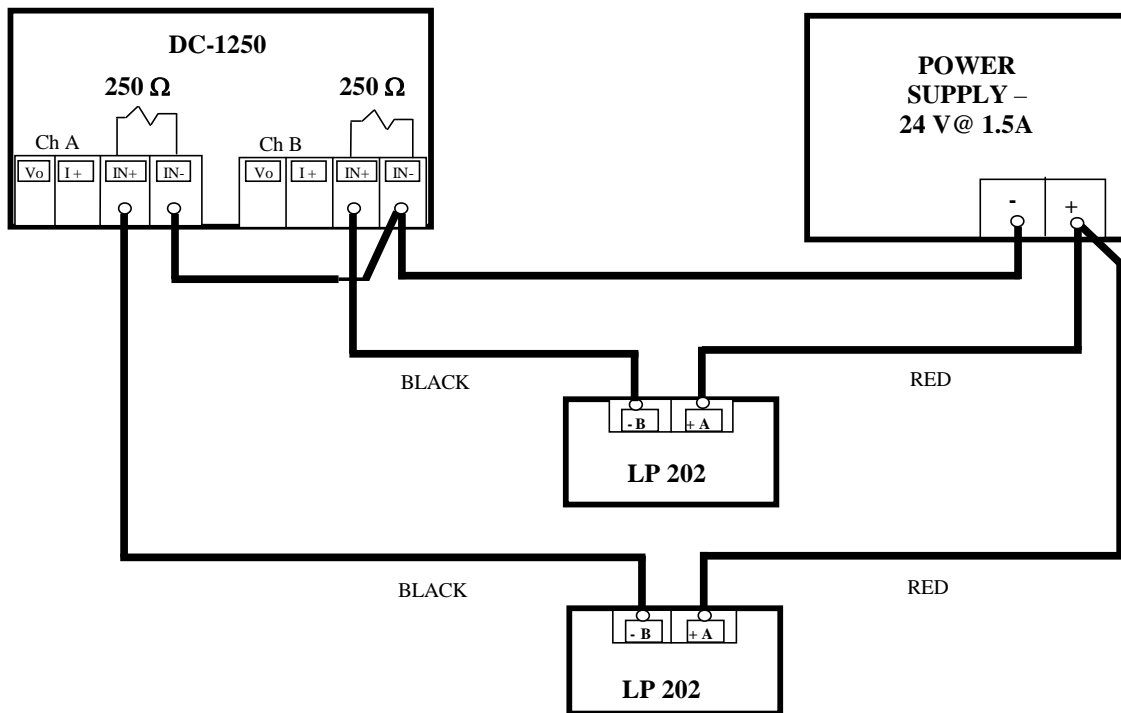
Monarch **DC-1250** Paperless Recorder

CTC Model **LP202-1R1-2A/020-Z** Loop Power Velocity Sensor

Mean Well **Model DR-30-24** 24VDC 1.5A Power Supply

Monarch **MAS250R** 250 Ω Resistor. 0.1%, 0.25 Watt

The wiring diagram is as follows:



SETTING THE VIBRATION CHANNEL TO IPS

The Loop Power Sensor ((LP202) output is scaled so that 4-20 mA = 0-1 Inches per second (IPS) in terms of Velocity. We must first set the Input Current Scale to 4-20 mA and then set the Lo Scale to zero and the High Scale to 1. These setting will allow the recorder to read from 0 to 100 IPS in a linear relationship to the Velocity Sensor.

Go to Adv. Setup and select Chan A Setup and/or Chan. B Setup. Select Input Type – mA - 4-20 mA. Back out two screens and select Lo Scale. Set to 0.000.

Select Hi Scale. Set to 1.000. Select Chan Tag and name the channel with an identifier up to 5 characters. Select Chan Units and name it IPS for Inches per Second.

Set up the other functions in the recorder as for any other measurement.