

CTC AppNotes

A series of technical documents written by members of the CTC community

Using Dual output LP sensors with the PMX 3000 series enclosure.

Vibration analysts frequently encounter a difficult choice, whether to continue to take trending data from a permanently mounted accelerometer, or to place an LP sensor to con-



2 channel PMX 3000 series enclosure displays 4-20 scaled output with BNCs for dynamic data collection.

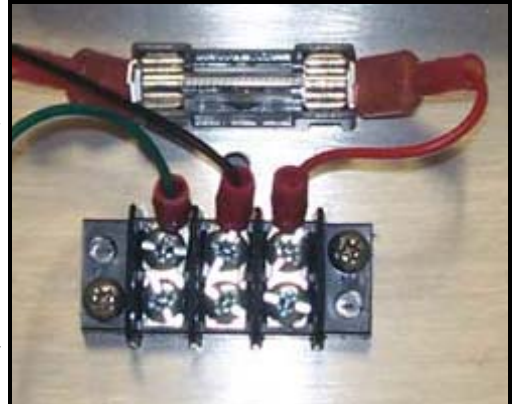
stantly monitor overall vibration at a control center. There are many options to accomplish this, including taking an accelerometer output to a signal conditioner or vibration transmitter, but some of them can become prohibitively expensive in this age of tight budgets. CTC now offers an easily installed solution for accomplishing this task, that also includes the benefit of a local display.

LP401 sensor provides 4-20 output and simultaneous dynamic velocity data.



PMX 3000 series enclosure:

The new PMX 3000 enclosures provide the analyst with a turnkey solution for using CTC's



LP400 series. Landing 85-250 watt power on the terminal output nals will provide power to the process sensors. Eas-

controller(s) and the sensor. ily con-
nected in the field the enclosures are designed for minimal connection time. Simply connect 85-250 watt line power to the power terminals, then bring the sensor cable in and land the sensor wires on the terminal strip provided.

Once the sensors are wired and the enclosures are powered up the analyst will be able to set relays /alarm levels for each channel and the dynamic signal will be available from the BNC connections on the front of the enclosure. NOTE!: when collecting data from the BNC ensure that the sensor power is turned OFF from the data collector! Double powering the sensor could cause sensor failure and incorrect data readings.



Terminal strip for Single channel PMX3000 enclosure.

If you have any questions or for further information please contact CTC directly via Email at dgripe@ctconline.com or jsmith@ctconline.com or feel free to call 1-800-999-5290 in the US and Canada or +1-585-924-5900 internationally.

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If any CTC vibration analysis hardware product should ever fail, we will repair or replace it at no charge.