



PT2060/80 CM Condition Monitoring Module

ProvibTech's PT2060/80 CM condition monitoring module is a 24 channels data collector and processing unit. Each of the PT2060/80 modules can accept any signal input from the corresponding signal module, analyze it, and output it.

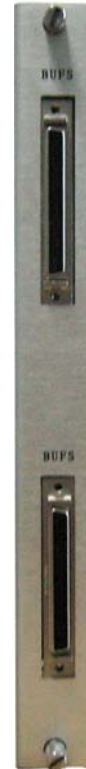
PT2060/80 CM module can realize the following function:

- ✓ Dynamic data processing
- ✓ Transient data processing
- ✓ Interface to PCM360 condition monitoring software and database system

Each PT2060/80 CM module can process up to 24 channels of input signal and 2 channels of phase reference signal. When there is no 91 module in the PT2060 rack, the phase reference output channels of PT2060/80 CM module can not be used. A standard 19" PT2060 rack can hold up to two PT2060/80 CM modules. PT2060/80 CM module in left slot can receive the signal that come from signal module slot1-6, and the right one supports slot7-12. User can choose one PT2060/80 CM module or two as requirement. A 12" PT2060 rack can contain one PT2060/80 CM module only.

PT2060/80 receives signal through internal bus of the rack. Every Slot of the rack has 4 channels of analog signal connected to PT2060/80 CM module through internal bus. Four channels in slot 1 of the 19" rack are corresponding to 1-4 channels of PT2060/80 CM module installed in the slot 13; Four channels in slot 2 are corresponding to 5-8 channels of PT2060/80 CM module installed in the slot 13, and the same, four channels in slot 6 are corresponding to channels 21-24 of PT2060/80 CM module installed in the slot 13; Four channels of slot 7 are corresponding to channels 1-4 of PT2060/80 CM module installed in the slot 14, while four channels in of slot 8 are corresponding to channels 5-8 of PT2060/80 CM module installed in the slot 14. And then, four channels of slot 12 are corresponding to channels 45-48 of PT2060/80 CM module installed in the slot

14. Four channels in slot 1 of 12" rack are corresponding to channels 1-4 of PT2060/80 CM module installed in the slot 7, while four channels in



14. Four channels in slot 1 of 12" rack are corresponding to channels 1-4 of PT2060/80 CM module installed in the slot 7, while four channels in slot 2 are corresponding to channels 5-8 of PT2060/80 CM module installed in slot 7. And then, four channels in slot 6 are corresponding to 21-24 channels of 80 CM module installed in slot 7.

If there is a PT2060/31 module in the rack, and there is no initial signal connected to PT2060/80 module, four channels of PT2060/80 CM module corresponding to the slot that PT2060/31 module installed in will not be available though PT2060/80 module has 8 channels. The same as PT2060/31, four channels of PT2060/80 CM module corresponding to PT2060/96 module will not be available too. For example, if PT2060/31 is installed in slot 5, channels 17-20 of PT2060/80 CM module in



slot 13(slot 7 for 12" rack) corresponding to slot 5 will not be available.

ProvibTech recommend that the modules needed for condition monitoring are put on the left of the rack near to slot 1 as possible as you can. As possible as you can, put PT2060/31/35/36/40/43/96 modules on the right of the modules which need condition monitoring. This can reduce the number of PT2060/80 module.

To the maximum, the two wire terminals of every PT2060/80 CM module can output 24 channels of analog signal and 2 channels of phase reference signal. The top terminal outputs analog signals of 1-12 channels and 2 channels of phase reference signal, while the terminal below outputs analog signals of 13-24 channels and 2 channels of phase reference signal. The signal output Amplitude of PT2060/80 CM module is about half of the original signal output by sensor. If sensor original signal is needed, please connect the output signal of BNC terminal on the front panel of the module.

The main purpose of GP for PT2060/80 CM module is to make users conveniently connect other condition monitoring system.

Specifications

Environmental

Temperature:

Operation: -20°C to +65°C

Storage: -40°C to +85°C

Humidity:

95% non-condensing

Physical

PT2060/80 CM condition monitoring module has no front panel. PT2060/80 CM back panel is the only component.

Dimensions and Location:

241mm (9.5in) X 24.5mm (0.96in)

Each PT2060/80 CM module needs one slot. For a standard 19" rack, it can be mounted in slot 13, slot 14. For a 12" rack, it can be mounted in slot 7.

Weight:

0.4 kg (0.8 lb).

Ordering Information

PT2060/80-AX

AX: Back-panel IO module

A0: Basic IO module for standard 19" Rack

A1: Basic IO module for standard 12" Rack

Optional Accessories:

PT2060-008000-AXX: Cable

It connects PT2060/80 CM to PCI6013 DAQ card or GP.

A00 2 meters (6.6 feet)

A01 10 meters (32.8 feet)

PT2060-008001: GP for PT2060/80 CM module

It is a special tool of port transform. If PT2060/80 CM module can't connect with other equipment by PT2060-008000 data wire directly, GP will be used.

PT2060-008003-AXX: Cable

It connects PT2060/80 CM to PCI6220 or PCI6250 DAQ card.

A00 2 meters (6.6 feet)

A01 10 meters (32.8 feet)

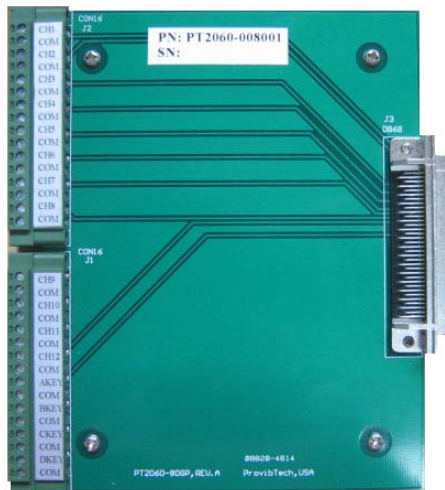
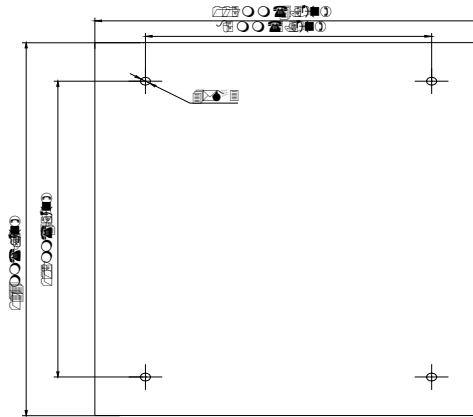


PT2060 Monitor

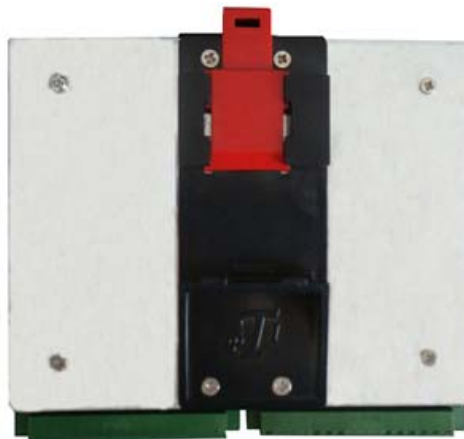
Dimension of GP

GP is a general port transform tool. One port of it can connect to PT2060-008000 data wire, and the other port can connect to other system or equipment. It can be fixed on the DIN rail.

The signal come from PT2060/80 CM module enter into one GP port and go out by the other port, but it is without any changes.



Top View of GP



Bottom View of GP