

**Absolute Process Instruments, Inc.**

Manufacturer of Quality Signal Conditioners Transmitters & Isolators

## Application Notes

- General Info
- Temperature
- Pressure
- Flow
- Speed
- Weighing
- Process

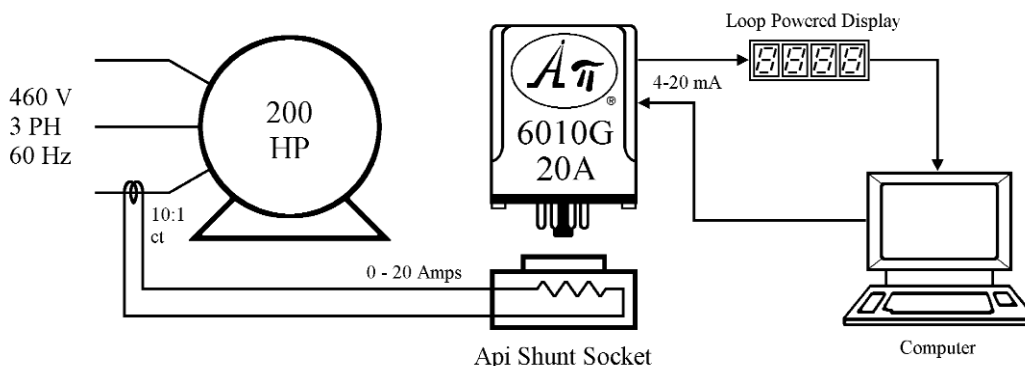
### Monitor and Display AC Motor Load

#### PROBLEM

The load on a motor is to be monitored by a computer and displayed locally as a percent of full load current. The motor is rated 200 horsepower, and operates at 460 volts, 3-phase, with a full load current of 200 amps.

#### SOLUTION

Install a suitable current transformer (CT) with a 10:1 ratio on one of the legs of the input power to the motor, and connect the CT output to an Api Shunt Socket with an **API 6010 G 20A** AC to DC Transmitter.



Use the 4-20 mA output of the **API 6010 G 20A** to drive a loop powered local display and the computer input. Scale the loop powered display for an indication of 100% at 200 amps motor load. The 2000 VRMS optical isolation protects against unexpected ground loops and electrical interference commonly found in industrial applications.

#### Did You Know...?

All Api alarm modules come configured as true failsafe unless otherwise specified.

**FREE APPLICATION ASSISTANCE**

Call  Customer Service

**800-942-0315**

