

Different modules for different uses



- 253751 Power measurement module:**
 Voltage direct input ranges: 30, 60, 120, 200, 300, 600, 1200, 2000 Vpk (1000 Vrms)
 Current direct input ranges: 0.1, 0.2, 0.4, 1, 2, 4, 10 Apk (5 Arms)
 Current sensor input ranges: 0.1, 0.2, 0.4, 1 Vpk (500 mVrms)
- 253752 Power measurement module:**
 Voltage direct input ranges: 30, 60, 120, 200, 300, 600, 1200, 2000 Vpk (1000 Vrms)
 Current direct input ranges: 0.1, 0.2, 0.4, 1, 2, 4, 10 Apk (5 Arms, upper terminal)
 1, 2, 4, 10, 20, 40, 100 Apk (20 Arms, lower terminal)
 Current sensor input ranges: 0.1, 0.2, 0.4, 1 Vpk (500 mVrms)
- 253771 Sensor input module:**
 Torque computing analog input 1 / 2 / 5 / 10 / 20 / 50Vpk
 Revolution speed computing analog input 1 / 2 / 5 / 10 / 20 / 50Vpk
 Revolution speed computing pulse input Maximum input range $\pm 5Vpk$
 Effective input range Min. 1Vp-p

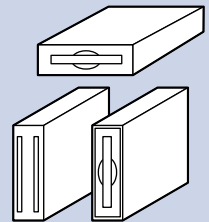
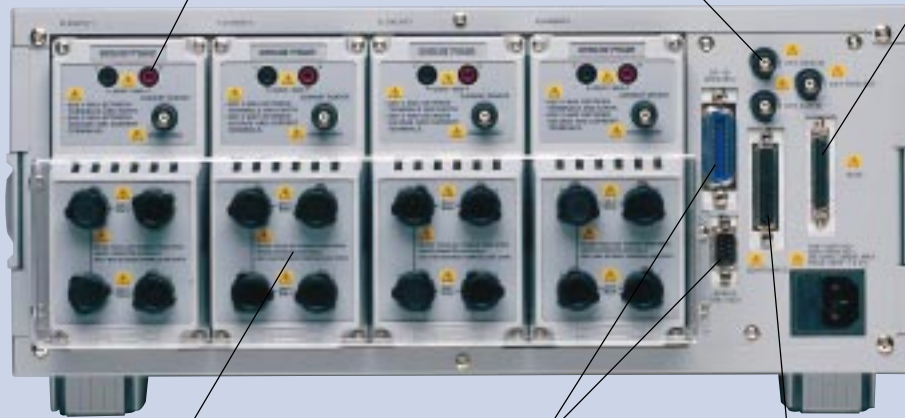
Back panel designed for both safety and performance

Safety terminals (the same as for DMM and other products) are used for voltage input to ensure safety.

External I/O connector

Measurement data is saved to media on external SCSI drives via the optional SCSI port.

HDD, MO, ZIP, PD, etc.



A transparent acrylic current input protective cover prevents unnecessary contact with the current terminals.

The PZ4000 is equipped with GP-IB and serial (RS-232) ports for PC remote control and data acquisition (standard).

Display hardcopy can be output to a color printer through the Centronics printer port (standard).



Motor evaluation function and synchronized measurements

The PZ4000 with a model 253771 sensor input module can measure the output from a torque meter (or torque sensor with a transducer for torque and rotating speed), and compute torque, rotating speed, mechanical power, synchronous speed, slip, motor efficiency and total efficiency. The PZ4000 can show torque and rotating speed as waveforms on the display. Using The MATH function, the trend curve of Mechanical power and efficiency can be displayed. The PZ4000 can also show the torque vs. rotating speed curve on the display using the X-Y display. If more than 4 inputs are required for measuring 3-phase power from an Inverter and motor, two PZ4000's can be connected together in a master-slave configuration for up to 8 synchronized measurement channels. (Note: The maximum difference between the PZ units is 3 microseconds plus two sample points.)

