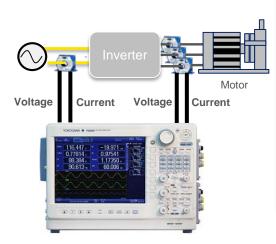


PX8000: Testing of Basic Characteristics of Voltage, Current, Torque, and Speed

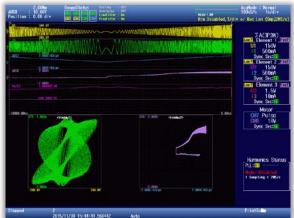
Testing of V-I, S-T, and I-T characteristics

The X-Y display function and mathematical calculation function of the PX8000 Precision Power Scope can be used to convert the rotational speed and torque data to time-series data for each cycle to evaluate the V-I characteristics (voltage-current phase characteristics), S-T characteristics (rotational speed-torque), I-T characteristics (current-torque), and other motor characteristics. Since the waveform does not need to be captured by a waveform measuring device, evaluation can be conducted more efficiently and in a shorter time.



PX8000 Precision Power Scope

*AC/DC Current Sensors CT series can be used to enable measurements up to 3000Apk.



Example of Waveform display and evaluation of V-I and S-T characteristics

In the voltage/current waveform display that is being directly measured, roll mode can be used to view the X-Y display in realtime.



Example of waveform display and evaluation of I-T and S-T characteristics

The X-Y display and mathematical functions (Irms measurement) can be used to view the behavior of current over time. The X-Y display range can be narrowed and shifted for confirming the X-Y display position of the torque and current RMS value.