

PXI-4060 16-Channel Digital Multimeter Module

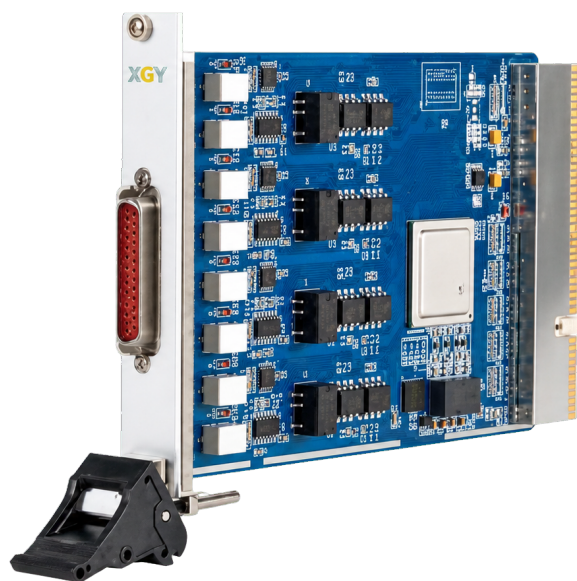
PXI data acquisition module for resistance, DC voltage, and AC voltage measurement

At a Glance

PXI-4060 is a 16-channel digital multimeter module for PXI-based data acquisition and automated measurement systems.

The module switches 16 input channels and supports time-shared resistance, DC voltage, and AC voltage measurement on every channel.

Commercial, industrial, and military temperature grades are available, with a compact 3U single-width 4HP module format.

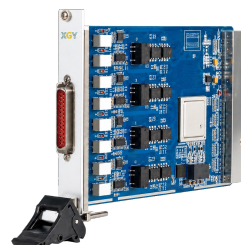


PXI-4060 16-Channel Digital Multimeter Module

Product Overview

PXI-4060 provides 16 input channels for PXI measurement systems that need channel-switched resistance and voltage acquisition.

Each channel supports resistance measurement plus DC and AC voltage measurement, allowing one compact module to cover common electrical test points in automated fixtures.



Key Features

- **16 Measurement Channels**

Sixteen input channels support switched measurement in PXI data acquisition systems.

- **Resistance Measurement**

Resistance measurement covers 0 to 40 Mohm across six ranges.

- **Voltage Measurement**

DC and AC voltage measurement ranges extend to 400 V.

- **PXI System Integration**

The 3U single-width 4HP form factor is designed for PXI chassis integration.

- **VISA PNP Driver**

Driver support is provided through a VISA-based PNP driver program.

- **Temperature Grade Options**

Commercial, industrial, and military temperature-grade ordering options are listed.

Measurement Specifications

General	
Input Channels	16 channels
Supported Measurements	Resistance, DC voltage, AC voltage
Resistance Range	0 to 40 Mohm
DC Voltage Range	0 to 400 V
AC Voltage Range	0 to 400 V
Resistance Accuracy	
0 to 400 ohm	$\leq \pm (\text{reading} \times 0.1\% + \text{full scale} \times 0.5\%)$
400 ohm to 4 kohm	$\leq \pm (\text{reading} \times 0.1\% + \text{full scale} \times 0.5\%)$
4 kohm to 40 kohm	$\leq \pm (\text{reading} \times 0.5\% + \text{full scale} \times 0.5\%)$
40 kohm to 400 kohm	$\leq \pm (\text{reading} \times 0.5\% + \text{full scale} \times 0.5\%)$
400 kohm to 4 Mohm	$\leq \pm (\text{reading} \times 1\% + \text{full scale} \times 0.5\%)$
4 Mohm to 40 Mohm	$\leq \pm (\text{reading} \times 1\% + \text{full scale} \times 0.5\%)$

Voltage, Environment, and System Requirements

DC Voltage Accuracy	
0 to 400 mV	$\leq \pm (\text{reading} \times 0.5\% + \text{full scale} \times 0.2\%)$
400 mV to 4 V	$\leq \pm (\text{reading} \times 0.5\% + \text{full scale} \times 0.2\%)$
4 V to 40 V	$\leq \pm (\text{reading} \times 0.5\% + \text{full scale} \times 0.2\%)$
40 V to 400 V	$\leq \pm (\text{reading} \times 0.5\% + \text{full scale} \times 0.2\%)$
AC Voltage Accuracy	
0 to 4 V	$\leq \pm (\text{reading} \times 0.5\% + \text{full scale} \times 0.2\%)$
4 V to 40 V	$\leq \pm (\text{reading} \times 0.5\% + \text{full scale} \times 0.2\%)$
40 V to 400 V	$\leq \pm (\text{reading} \times 0.5\% + \text{full scale} \times 0.2\%)$
System and Mechanical	
Operating System	Windows 7 / Windows 8 / Windows 10
Driver Support	VISA-based PNP driver
Form Factor	3U single-width, 4HP

Environmental Grades

Condition	Commercial C	Industrial I	Military J
Operating Temperature	0 to +50 deg C	-20 to +50 deg C	-40 to +50 deg C
Storage Temperature	-20 to +70 deg C	-40 to +70 deg C	-55 to +85 deg C
Humidity	95% @ 25 deg C, non-condensing	95% @ 25 deg C, non-condensing	95% @ 25 deg C, non-condensing

Temperature values are specified in degrees Celsius.

Ordering Information

Model	Description	Availability
PXI-4060	Default Configuration	
	16 channels; resistance measurement; DC and AC voltage measurement; commercial grade	Standard
	16 channels; resistance measurement; DC and AC voltage measurement; industrial grade	Optional
PXI-4060-J	16 channels; resistance measurement; DC and AC voltage measurement; military grade	Optional

Ordering format is PXI-4060-X, where X selects the temperature grade: C for commercial grade, I for industrial grade, and J for military grade.

Commercial grade is the default configuration.

Packing List

Item	Description	Quantity
16-Channel Digital Multimeter Module	16 channels; resistance measurement; DC and AC voltage measurement; commercial grade	1 unit
User Manual	Product use and maintenance information	1 copy
Certificate of Conformance	Factory inspection certificate	1 copy

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Specifications subject to change without notice. Per AS/NZS standards.