

## Ordering Information

OMRON

Model	Analog input section					Trigger input section	
	Number of points	Input range	Resolution	Input method	Conversion time	Number of points	Internal I/O common
NX-HAD401	4 points	Voltage: • -10 to 10 V (-32000~32000) • -5 to 5 V (-32000~32000) • 0 to 10 V (0~32000) • 0 to 5 V (0~32000) • 1 to 5 V (0~32000) Current: • 0 to 20 mA (0~32000) • 4 to 20 mA (0~32000)	• Input range of -10 to 10 V or -5 to 5 V 1/64000 (full scale) • Other input range 1/32000 (full scale)	Differential input	5 $\mu$ s/4 Ch	4 points	NPN
NX-HAD402						4 points	PNP

### Collection of software functional components Sysmac Library

Please download it from following URL and install to Sysmac Studio.

[http://www.ia.omron.com/sysmac\\_library/](http://www.ia.omron.com/sysmac_library/)

### Typical Model

Product	Features	Model
High-Speed Analog Inspection Library	The High-speed Analog Inspection Library records analog input values acquired by the NX series High-speed Analog Input Units in time. This library provides functions required for product inspections during production processes, including calculation of feature values (e.g., maximum, minimum, and mean), comparison with master data, and data file storage.	SYSMAC-XR016

## Combination Table

Model	Unit version	
	CPU Unit or Industrial PC	EtherCAT® Coupler Unit
NX-HAD401 Ver.1.0 NX-HAD402 Ver.1.0	NX701-□□□□ Ver.1.18 or later	NX-ECC203 Ver.1.0 or later
	NX102-□□□□ Ver.1.30 or later	
	NJ501-□□□□ Ver.1.18 or later	
	NJ301-□□□□ Ver.1.18 or later	
	NJ101-□□□□ Ver.1.18 or later	
	NX1P2-□□□□□□(1) Ver.1.18 or later	
	NY5□□-1 Ver.1.18 or later	

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Note: Do not use this document to operate the Unit.

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# High-speed Analog Input Unit

NX Series NX-HAD401/402



## Analog inspection without PC

- PLC systems can acquire analog data at high speeds
- Easy system configuration and maintenance

