

CENTUM VP N-IO

Product Data Sheet

A2SAT105-S000

Thermocouple RTD Input Adaptor

MILLIVOLT INPUT RANGE	RTD CONNECTION	RESISTANCE MEASUREMENT RANGES	POTENTIOMETER TOTAL RESISTANCE
-50 to +150 mV	3-wire	0 to 400 ohm or 0 to 2000 ohm	100 to 2000 ohm

Yokogawa A2SAT105-S000 is a thermocouple rtd input adaptor in the CENTUM VP N-IO range. It conditions millivolt, thermocouple and resistance-temperature signals for an N-IO channel. This standard basic version is used on the A2BN3D adaptor base plate.

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VERIFIED TECHNICAL DATA

Millivolt input range	-50 to +150 mV
RTD connection	3-wire
Resistance measurement ranges	0 to 400 ohm or 0 to 2000 ohm
Potentiometer total resistance	100 to 2000 ohm
Allowable terminal input voltage	-0.5 to +4.0 V DC
Powered input resistance	1 Mohm
Unpowered input resistance	10 kohm
Millivolt accuracy	±20 microV
400 ohm range accuracy	±0.08 ohm
2000 ohm range accuracy	±0.40 ohm

ADDITIONAL PRODUCT DATA

Standalone data update period	124 ms
Cold-junction compensation accuracy	±1.0 deg C
Burnout detection delay	60 s maximum
Burnout detection current	0.1 microA
24 V system current	12 mA maximum

DOCUMENTED USE SETTINGS

Oil Refining and Natural Gas Production: Petroleum Refining and Processing.

Chemical Manufacturing and Petrochemical Production: Industrial Chemical Manufacturing.

Electric Power Generation and Energy Production: Thermal Power Generation.

SYSTEM COMPATIBILITY

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PRODUCT EVIDENCE

CENTUM VP N-IO manufacturer technical reference

AMIKON PRODUCT SUPPORT

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