

SIMATIC ET 200iSP

Product Data Sheet

6ES7134-7SD50-0AB0

Four-channel RTD input module

ANALOG INPUT CHANNELS	RTD SENSORS	RESISTANCE RANGE	RTD INPUT RESISTANCE
4	Pt100 and Ni100	0 to 600 ohm	2 Mohm

Siemens 6ES7134-7SD50-0AB0 is the four-channel RTD analog input module for SIMATIC ET 200iSP distributed I/O. It connects resistance thermometers to a compatible process-control station for temperature measurement in the documented hazardous-area configuration.

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VERIFIED TECHNICAL DATA

Analog input channels	4
RTD sensors	Pt100 and Ni100
Resistance range	0 to 600 ohm
RTD input resistance	2 Mohm
Shielded cable length	200 m maximum
Power-bus current	22 mA maximum
Power dissipation	0.4 W typical
Input resolution	15 bits plus sign
Conversion time	80 ms at 50 Hz; 66 ms at 60 Hz
Wire-break conversion overhead	5 ms

ADDITIONAL PRODUCT DATA

Measured-value smoothing	1, 4, 32 or 64 cycle times
RTD connection	2-, 3- or 4-wire
Linearity error	±0.015% of input range
Crosstalk between inputs	-50 dB minimum
Repeatability at 25 deg C	±0.01% of input range

DOCUMENTED USE SETTINGS

Chemical Manufacturing and Thermal Process Production: Chemical Reaction Temperature Monitoring.

Petroleum Refining and Natural Gas Processing: Petroleum Refining Process Monitoring.

Pharmaceutical Manufacturing and Controlled Batch Production: Pharmaceutical Batch Temperature Monitoring.

SYSTEM COMPATIBILITY

Siemens 6ES7134-7SD50-0AB0 is the four-channel RTD analog input module for SIMATIC ET 200iSP distributed I/O. It connects resistance thermometers to a compatible process-control station for temperature measurement in the documented hazardous-area configuration.

PRODUCT EVIDENCE

Siemens IK PI 2007: ET 200iSP analog electronic modules