

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7134-6JD00-0CA1

ET 200SP Temperature Input Module



INPUTS	SENSORS	RESOLUTION	BASEUNIT
4 analog	RTD / TC	Up to 16 bit	A0 / A1

Siemens 6ES7134-6JD00-0CA1 is the SIMATIC ET 200SP High Feature analog input module for four RTD, thermocouple, resistance or low-voltage measurements. Each channel has a configurable measurement type, with resolution up to 16 bits including sign and selectable interference-frequency suppression.

01

VERIFIED TECHNICAL INFORMATION

Analog inputs	4 channels; RTD, thermocouple, resistance or voltage per channel
Maximum resolution	16 bits including sign; resistance ranges use 15 bits
Voltage measuring ranges	±50 mV, ±80 mV, ±250 mV and ±1 V
Resistance measuring ranges	150, 300, 600, 3000 and 6000 ohm
Thermocouple types	B, C, E, J, K, L, N, R, S, T, U and TXK
Resistance wiring	2-, 3- or 4-wire for supported RTDs/resistors; Cu10 requires 3-wire
BaseUnit compatibility	A0 or A1; internal thermocouple reference requires A1

Sources: exact-model Siemens product information and documented module specifications. No installation drawing or terminal-assignment instruction is included.

02 TECHNICAL INFORMATION CONTINUED

Supply voltage	24 V DC rated; permissible 19.2-28.8 V DC
Typical power loss	0.75 W
Input address space	8 bytes; an additional byte with enabled value status
Input impedance	1 Mohm for the documented voltage ranges
Signal smoothing	None, weak, medium or strong; 1, 4, 8 or 16 module cycles
Interference suppression	16.6, 50 or 60 Hz; shorter conversion settings require FW V2.1.0 and appropriate engineering support
Hardware interrupts	Two upper and two lower limit thresholds per channel; configuration restrictions apply
Shielded cable length	Maximum 200 m; thermocouple circuits maximum 50 m

03 SOURCE AND CONFIGURATION CHECKS

The module supports two-, three- and four-wire resistance measurement, with defined compensation methods for lead resistance and thermocouple reference temperature. Channel diagnostics, limit interrupts and optional value status help distinguish valid measurements from wiring or configuration faults when integrated into an ET 200SP station.

PTC byte labels conflict in the archived manual and excitation-current values vary by edition. Neither is used in authored specifications or instructions; no installation PDF is supplied.

This independently prepared reference is not an installation manual. Confirm supplied hardware, firmware and approved project documentation. No gross shipping mass is inferred from product net weight.

[Siemens official exact-model product reference](#)