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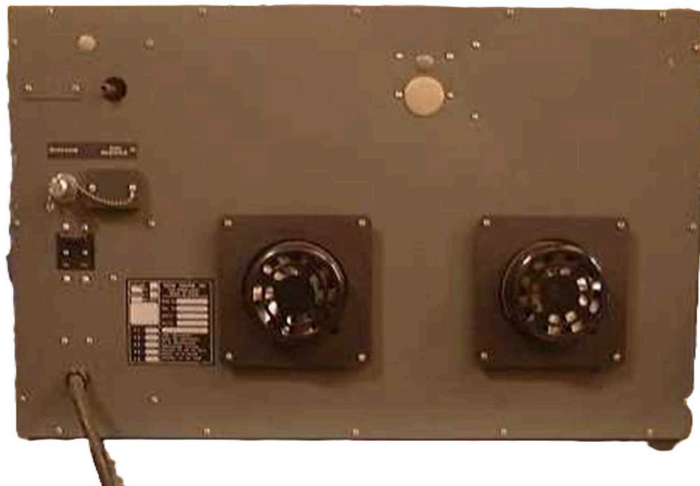
Data Sheet

August 15, 2026

DELTA

Delta 3900C Temperature Controller

The Delta 3900C is a microprocessor temperature/process controller in the Delta 2300/3900 family. OEM Delta 3900C literature covers PID autotune temperature control with thermocouple/RTD inputs and relay/SSR outputs for industrial process control. Industrial oven, chamber, and process temperature control. Instrument Type: temperature/process controller Application Class: industrial temperature control Industrial oven, chamber, and process temperature control. Instrument Type: temperature/process controller Application Class: industrial temperature control Documentation Type: OEM Delta 3900C listing



MODEL

Delta 3900C

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

3900C

LISTING

<https://aumictechlabs.com/products/3900c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Delta 3900C is a power supply engineered for solid industrial applications. It can deliver stable and efficient power output, with a construction intended to ensure reliability even in challenging operational environments. Delta, a global leader in power electronics since 1971, offers a range of industrial power supplies stringent international standards. Technical Specifications General Features: Manufacturer: Delta Electronics Product Line: Industrial Power Supply Model: 3900C (Note: Specific model number "3900C" was not found in the search results. Closest related high-power models include AHF-2DC-3900W and products within the PM series.) Input Voltage Range: Typically wide AC input ranges for global usability. Operating Temperature: Full power from -25°C to +60°C at 5,000 meters (16,400 ft) altitude. Other Delta industrial power

supplies operate within a wide temperature range, such as -20°C to +75°C. Altitude Capability: Operates at full power up to 5,000 meters (16,400 ft). Cooling: Typically incorporates cooling mechanisms suitable for industrial environments; some Delta models feature fan life time considerations for MTBF calculations. Certifications and Approvals: Delta power supplies generally meet various international standards including IEC 60950-1, IEC 62368-1, and others. Specific maritime approvals such as DNV GL and ABS are available for certain models. Conformal Coating: Available on PCBs for protection against dust and chemical pollutants. Performance Features: Power Boost: Features like "Power Boost of 150% up to 7s" and "Advanced Power Boost (APB)" are available on some Delta series. Efficiency: Delta products are known for high efficiency, with some models exceeding 90%. Low No-Load Power Consumption: Certain Delta adapters offer extremely low no-load consumption below 0.15 W. Power De-rating: Power may not de-rate for the entire input voltage range on some models, with exceptions noted for specific wattages. Protection Features: Overload Protection: Standard on many Delta series. Over Voltage Protection: Standard on many Delta series. Over Temperature Protection: Standard on many Delta series. Short Circuit Protection: Standard on many Delta series. DC OK Contact and LED Indicator: Available for monitoring status. Physical Characteristics * Enclosure: Full corrosion-resistant aluminum casing available on certain series. Rugged, ultra-compact metal and plastic cases are shock and vibration resistant per IEC60068-2. Form Factors: Delta offers DIN rail, panel mount, and open frame power supply types. Dimensions: Specific dimensions for the 3900C model are not available. However, Delta's PMT2 series offers a low-profile design with a height of 30 mm. Interfaces and Communication * DC OK Signal: Available for system monitoring. Programmable Interfaces: Some advanced Delta power supply series offer factory-installed programming interfaces such as Ethernet, PROFIBUS, CANBUS, RS232, and IEEE488 controllers. Applications Delta power supplies are utilized across a wide range of industrial and automation applications, including: Factory Automation Process Automation Building Automation Machine Automation Test & Measurement Household Appliances General Engine Constructions Apparatus Constructions Wood-working Machines Sheet-fabricating Machines Automotive Engineering Environmental Engineering Construction Machines Offshore applications Refinery Deep mining Maritime applications Why Choose Aumictech for Delta 3900C? At Aumictech, we specialize in supplying high-end industrial power supply equipment. Whether you need reliable power for demanding industrial applications, solid solutions for harsh environments, or efficient energy management for your operations, our team ensures the Delta 3900C delivers maximum performance for your application.

3900C Characteristics / Specifications

PARAMETER	VALUE
Model	3900C
Instrument Type	temperature/process controller
Family	Delta 2300/3900
Manufacturer	Delta
Form Factor	panel mount controller
Application Class	industrial temperature control
System Role	PID temperature controller
Use Case	oven and process control
Documentation Type	OEM Delta 3900C listing
Control	PID autotune
Input Class	thermocouple and RTD
Output Class	relay/SSR
Display Class	process and setpoint
Supply Class	3900C mains on the sheet
Accuracy Class	3900C accuracy on the sheet
Sample Class	3900C sample rate on the sheet
Alarm Class	3900C alarms on the sheet
Brand Lineage	Delta
Literature	Delta 3900C temperature controller literature
Mounting Class	panel DIN
Communication Class	3900C comms on the sheet
Operating Temperature Class	3900C ambient on the sheet
Humidity Class	3900C humidity on the sheet
Sensor Class	J/K/T/RTD class
Setpoint Class	dual display class

PARAMETER	VALUE
Operating temperature	Class: 3900C ambient on the sheet
Humidity	Class: 3900C humidity on the sheet

3900C Specifications

PARAMETER	VALUE
Delta 3900C Temperature Controller	Overview
Relay/SSR outputs	Delta 2300/3900 family
Technical Specifications	Model: 3900C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 3900C ambient on the sheet
Operating Temperature	Class: 3900C ambient on the sheet
Humidity	Class: 3900C humidity on the sheet
Operating Temperature Class	3900C ambient on the sheet
Humidity Class	3900C humidity on the sheet
Sensor Class	J/K/T/RTD class
Setpoint Class	dual display class Notes From Delta 3900C temperature/process controller listings in the 2300/3900 family. Exact DIN size, input types, and accuracy are on the 3900C sheet; do not invent degree accuracy.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.