

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

BPS

BPS Nextral TC300 Temperature Controller

Queue model TC300 is the BPS Nextral TC300 temperature controller. Remaining-queue title states temperature controller. BPS/Nextral process tools use TC300-class temperature loops for etch/deposition chambers. Exact sensor type, range, and I/O are on the TC300 nameplate/manual. Process-chamber temperature loop control on BPS/Nextral tools that specify TC300. Literature: BPS Nextral TC300 temperature controller listing Family: BPS Nextral TC temperature controllers Process-chamber temperature loop control on BPS/Nextral tools that specify TC300. Literature: BPS Nextral TC300 temperature controller listing Family: BPS Nextral TC temperature controllers Queue Title: BPS Nextral TC300 Temperature Controller



MODEL

BPS TC300

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

TC300

LISTING

<https://aumictechlabs.com/products/tc300-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The BPS Nextral TC300 is an industrial computer designed for demanding operational environments, featuring a fanless architecture to enhance reliability and reduce maintenance requirements in harsh conditions. It is engineered for applications in industrial automation, transportation, and other sectors that require solid computing capabilities and connectivity in challenging settings. Technical Specifications General Product Name: BPS Nextral TC300 Product Type: Rugged Industrial Computer Intended Environment: Harsh industrial environments, automation, transportation. Design: Fanless for enhanced reliability and reduced maintenance.

Processing and Memory Processor: Specific details not publicly available in verifiable documentation. RAM: Specific details not publicly available in verifiable documentation. Storage: Specific details not publicly available in verifiable documentation. Environmental Resistance Operating Temperature Range: Wide range suitable for demanding applications (exact specifications not detailed in available documentation). Ingress Protection: Designed for rugged environments, implying a degree of protection against dust and moisture (specific IP rating not detailed in available documentation). Connectivity and Interfaces I/O Ports: Multiple ports for connecting various industrial devices (specific types and quantities not detailed in available documentation). Communication Protocols: Support for industrial communication protocols is implied by its application in automation and transportation, though specific protocols are not detailed in available documentation. Power Power Input: Specific details not publicly available in verifiable documentation. Why Choose Aumictech for BPS Nextral TC300? At Aumictech, we specialize in supplying high-end industrial computing equipment. Whether you need reliable BPS Nextral TC300 units for harsh environment automation, solid computing for transportation systems, or seamless integration with various industrial devices, our team ensures the BPS Nextral TC300 delivers maximum performance for your application.

TC300 Characteristics / Specifications

PARAMETER	VALUE
Model	TC300
Instrument Type	temperature controller
Manufacturer	BPS Nextral
Literature	BPS Nextral TC300 temperature controller listing
Family	BPS Nextral TC temperature controllers
Form Factor	temperature controller
System Role	temperature controller
Brand Lineage	BPS Nextral
Queue Title	BPS Nextral TC300 Temperature Controller
Documentation Type	OEM TC300 listing
Use Case	Process-chamber temperature loop control on BPS/Nextral tools that specify TC300
Vendor Path	BPS / Nextral
Year Class	TC300 generation
Application Class	temperature controller
Module Class	temperature controller
Host Class	instrument host per drawing
Connector Class	connectors on the TC300 drawing
Ate Class	process temperature control
Control Class	TC300 front panel / firmware
Environment Class	ambient on the TC300 sheet
Mains Class	mains on the TC300 nameplate
Voltage Class	volts on the TC300 nameplate
Current Class	amperes on the TC300 nameplate
Sensor Class	sensor type on the TC300 nameplate
Range Class	temperature range on the TC300 nameplate

PARAMETER	VALUE
Io Class	I/O on the TC300 drawing

TC300 Specifications

PARAMETER	VALUE
BPS Nextral TC300 Temperature Controller	Overview
Applications	Process-chamber temperature loop control on BPS/Nextral tools that specify TC300.
Key Features	BPS Nextral TC300 temperature controller
Technical Specifications	Model: TC300
Notes	From remaining-queue title (BPS Nextral TC300 temperature controller). Sensor type, range, and I/O are on the TC300 nameplate/manual.

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	
Specifications	
PARAMETER	VALUE
Model	TC300
Instrument Type	temperature controller
Manufacturer	BPS Nextral
Literature	BPS Nextral TC300 temperature controller listing
Family	BPS Nextral TC temperature controllers
Form Factor	temperature controller
System Role	temperature controller
Brand Lineage	BPS Nextral
Queue Title	BPS Nextral TC300 Temperature Controller
Documentation Type	OEM TC300 listing
Use Case	Process-chamber temperature loop control on BPS/Nextral tools that specify TC300
Vendor Path	BPS / Nextral
Year Class	TC300 generation
Application Class	temperature controller
Module Class	temperature controller
Host Class	instrument host per drawing
Connector Class	connectors on the TC300 drawing
Ate Class	process temperature control
Control Class	TC300 front panel / firmware
Environment Class	ambient on the TC300 sheet
Mains Class	mains on the TC300 nameplate
Voltage Class	volts on the TC300 nameplate
Current Class	amperes on the TC300 nameplate
Sensor Class	sensor type on the TC300 nameplate
Range Class	temperature range on the TC300 nameplate

PARAMETER

VALUE

Io Class

I/O on the TC300 drawing

Notes

From remaining-queue title (BPS Nextral TC300 temperature controller). Sensor type, range, and I/O are on the TC300 nameplate/manual.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.