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Data Sheet

August 15, 2026

ATLAS COPCO / GSE / TECH-MOTIVE TOOL

Atlas Copco / GSE / Tech-Motive Tool CS4000 Mini Controller

The Atlas Copco CS4000 Mini Controller is a compact and versatile control unit designed for use with various industrial tools and equipment. It provides precise control and monitoring capabilities, enabling efficient operation and enhanced productivity. Ideal for applications requiring a small footprint and advanced control features.

**MODEL****Atlas Copco / GSE /
Tech-Motive Tool
CS4000 Mini****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****CS4000 Mini****LISTING**<https://aumictechlabs.com/products/cs4000-mini-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Atlas Copco CS4000 Mini Controller is a 100% digital control unit engineered for DC electric nutrunner fastening systems. It delivers precise torque and angle data acquisition with microprocessor-based intelligence, enabling automatic tool identification and parameter self-configuration across multi-spindle Ethernet networks or standalone RS-232 operations. The controller integrates one Tool Control Module (TCM) with fuses and GFCI protection, supporting Nutrunner Series 46, 66, and 116 platforms. Technical Specifications Product Family: CS4000 Mini Controller Type: DC Electric Nutrunner Fastening Control System Component Technology: 100% Digital Data Acquisition: Torque and Angle Tool Compatibility: Nutrunner Series 46, 66, 116 Core Module: One Tool Control Module (TCM) with fuses and

GFCI protection Operating Voltage: 220 V (model-dependent) Key Features Intelligent Tools self-identify and auto-configure parameters including identification, calibration, angle counts, and speed Ethernet interface with RJ-45 connector for networked multi-spindle control via network hub RS-485 connector option for SDLC host computer integration RS-232 serial port for standalone laptop PC operation and portable Visual Supervisor programming Optional Interbus-S module for PLC integration with eight soft-programmable digital inputs and outputs Optional API for rundown data collection and third-party application integration Software & Programming Visual Supervisor (VS) software - permanent mode (host-based) or portable mode (laptop) ToolsTalk Power MACS for intuitive advanced tightening strategy programming Version 3.20 supported for spindle parameter configuration Typical Applications Multi-spindle networked fastening control, standalone portable programming, and PLC-integrated production environments requiring torque and angle verification. Compatibility & Integration Compatible with Atlas Copco Nutrunner Series 46, 66, and 116. Supports Ethernet, RS-485, RS-232, and optional Interbus-S connectivity. Integrates with third-party applications via optional API.

CS4000MINI Characteristics / Specifications

PARAMETER	VALUE
Model	CS4000 Mini
Instrument Type	DC electric nutrunner fastening controller
Tool Family	Tech-Motive nutrunner 46, 66, or 116 series
Tcm Count	one Tool Control Module with GFCI
Processor	80186 class Device Control Module in the TCM
Ethernet	10Base-T TCP/IP
Field Io	19-pin I/O connector
Io Mating	14-shell 19-pin strain relief 23-10-5200
Main Fuses	F1 and F2, 15 A 250 V SLO-BLO, Littelfuse 326015, part 13-10-1015
Dcm Fuse	F4 Littelfuse 239001, 5x20 mm, 1 A SLO-BLO 250 V, part 13-10-61001
Tool Twenty Four	F2 Littelfuse 255.500 0.5 A protects 24 VDC to the tool, part 13-10-4050
Discrete Twenty Four	F3 Littelfuse 255.500 0.5 A protects 24 VDC discrete I/O
Software	Visual Supervisor (VS) default I/O map
Data	torque and angle acquisition, 100 percent digital
Ship Weight	3 lb class (Artisan CS4000 Mini Ethernet)
Manual	T-38324-A / 39-30-38324 CS4000 Mini with Ethernet
Manufacturer	Atlas Copco / GSE / Tech-Motive Tool / SPX
Literature	SPX/Tech-Motive CS4000 Mini technical reference T-38324-A
Family	CS4000 Mini fastening controllers
Form Factor	compact Mini enclosure, one TCM
System Role	single-spindle nutrunner controller
Network	Ethernet plant network; RS-485 addressing in the same manual family
Protection	GFCI plus fused 24 VDC tool and I/O rails
Calibration	manual calibration procedure in chapter 4 of T-38324-A
Application Class	automotive and industrial threaded fastening

PARAMETER	VALUE
Brand Lineage	Tech-Motive GSE SPX Atlas Copco

CS4000MINI Specifications

PARAMETER	VALUE
One TCM with GFCI in the Mini Ethernet enclosure	Ethernet 10Base-T TCP/IP plus 19-pin discrete I/O
Visual Supervisor parameter sets	46, 66, or 116 series nutrunner family
Technical Specifications	Model: CS4000 Mini

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

From SPX/Tech-Motive CS4000 Mini with Ethernet technical reference T-38324-A (15 A mains fuses, 1 A DCM fuse, 0.5 A 24 V fuses, 19-pin I/O 23-10-5200, 46/66/116 tools, 10Base-T). Torque/angle accuracy is on the nutrunner datasheet, not this controller sheet.

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.