

**Aumictech**

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Data Sheet

August 15, 2026

ATLAS COPCO / GSE / TECH-MOTIVE TOOL

Atlas Copco / GSE / Tech-Motive Tool 49-4100-01C5 Tool Control Module

The Atlas Copco/GSE/Tech-Motive Tool 49-4100-01C5 is a tool control module engineered for precision control and monitoring in industrial assembly and manufacturing environments. This module delivers torque monitoring, angle control, and error detection capabilities integrated with the CS4100 System Controller platform. It supports data acquisition for process monitoring and quality control across compatible Atlas Copco, GSE, and Tech-Motive Tool systems. Aumictech offers NIST-traceable calibration and repair for the Atlas Copco / GSE / Tech-Motive Tool 49-4100-01C5. Calibration covers I/O channel accuracy per specification, analog output and input calibration to rated accuracy, and functional communication interface test (serial, Ethernet, fieldbus). All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1–3 business days after receipt. Common Atlas Copco / GS



MODEL

**Atlas Copco / GSE
/ Tech-Motive Tool
49-4100-01C5**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

49-4100-01C5

LISTING

<https://aumictechlabs.com/products/49-4100-01c5-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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module delivers torque monitoring, angle control, and error detection capabilities integrated with the CS4100 System Controller platform. It supports data acquisition for process monitoring and quality control across compatible Atlas Copco, GSE, and Tech-Motive Tool systems. Technical Specifications Model: 49-4100-01C5 Series: 46 Series Tool Control Module range Controller Platform: 500 Series Associated System: CS4100 System Controller Key Features Torque monitoring with precise control for fastening processes Angle control for automated assembly applications Error detection to maintain process quality and consistency Data acquisition capabilities for real-time process monitoring Designed for operation in demanding industrial environments Typical Applications Automated assembly lines requiring consistent fastening accuracy Precision manufacturing operations with controlled torque and angle requirements Quality assurance systems utilizing continuous process monitoring Power tool control in intelligent nutrunner applications Compatibility & Integration Integrates with compatible Atlas Copco, GSE, and Tech-Motive Tool systems Compatible with CS4100 System Controller Supports communication via Ethernet and RS-232 protocols Designed for power tool systems requiring coordinated control and feedback

49410001C5 Characteristics / Specifications

PARAMETER	VALUE
Model	49-4100-01C5
Instrument Type	tool control module
Manufacturer	Atlas Copco / GSE / Tech-Motive Tool
Literature	Tech-Motive 49-4100-01C5 remaining-queue listing
Family	Tech-Motive CS4000 / CS400 tool controllers
Form Factor	tool control module
System Role	electric assembly tool control
Brand Lineage	Atlas Copco / GSE / Tech-Motive Tool
Queue Title	Atlas Copco / GSE / Tech-Motive Tool 49-4100-01C5 Tool Control Module
Documentation Type	OEM 49-4100-01C5 listing
Use Case	nutrunner and assembly tool control in Tech-Motive cells
Vendor Path	Atlas Copco / GSE / Tech-Motive
Year Class	49-4100 generation
Application Class	tightening tool control
Module Class	tool control module
Host Class	Tech-Motive electric assembly tools
Connector Class	connectors on the 49-4100-01C5 drawing
Ate Class	assembly station control
Control Class	tach gain and speed trim plus status LEDs
Environment Class	ambient on the 49-4100-01C5 sheet
Mains Class	mains on the 49-4100-01C5 nameplate
Voltage Class	volts on the 49-4100-01C5 nameplate
Current Class	amperes on the 49-4100-01C5 nameplate
Ship Weight Class	15 lb class listing

PARAMETER

VALUE

Related Family

Tech-Motive CS4000 Mini and CS400 monitor/controller listings as host family context

Function Class

tool control function on the 49-4100-01C5 drawing

49410001C5 Specifications

PARAMETER	VALUE
Applications	Industrial nutrunner and assembly-tool control in Tech-Motive / Atlas Copco tightening cells that specify 49-4100-01C5.
Key Features	Tech-Motive 49-4100-01C5 tool control module
Status LED indicators	CS4000 / CS400 family context
Technical Specifications	Model: 49-4100-01C5

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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VALUE

Function Class

tool control function on the 49-4100-01C5 drawing

Notes

From remaining-queue title (Tech-Motive 49-4100-01C5 Tool Control Module) and Tech-Motive CS4000/CS400 family context. Torque and bus maps are on the 49-4100-01C5 drawing.

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

788 S 500 E, Pleasant Grove, UT 84062
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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.