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Data Sheet

August 13, 2026

ROCKWELL / ALLEN-BRADLEY

Rockwell / Allen-Bradley 1745-TCAT Timer / Counter Access Terminal

The Rockwell/Allen-Bradley 1745-TCAT is a Timer/Counter Access Terminal designed for use with programmable logic controllers (PLCs). It allows operators to easily monitor and adjust timer and counter settings within the PLC program. This terminal provides a user-friendly interface for accessing and modifying critical timing and counting parameters, improving operational efficiency and control.



MODEL

Rockwell / Allen-Bradley 1745-TCAT

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

1745-TCAT

LISTING

<https://aumictechlabs.com/products/1745-tcat-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Rockwell/Allen-Bradley 1745-TCAT is a Timer/Counter Access Terminal engineered for real-time monitoring and modification of timer, counter, and sequencer data on SLC 100 and SLC 150 programmable logic controllers without interrupting PLC operation. The terminal operates in both handheld and panel-mounted configurations, delivering immediate access to critical control parameters across manufacturing automation and process control systems. Technical Specifications Product Type: Timer/Counter Access Terminal (TCAT) Manufacturer: Rockwell / Allen-Bradley Series: Bulletin 1745 Compatible Controllers: SLC 100, SLC 150 Display: LED status display, 4-character digital data display, 3-character digital address display, 7-segment LED

readouts, discrete light-emitting diodes Input Interface: 16-button push-button keypad Security: 2-position keylock switch with protective cover Operating Modes: Monitor and modify Data Access: Real-time access to programmed timer, counter, and sequencer parameters Power Connection: 6 ft. (1.8 m) interconnected cable Error Reporting: Bilingual error code table (English and French) with keyring ID tag for error documentation Status Indicators: PROTECT indicator, instruction indicators, data indicators Key Features On-line monitoring and modification of timers, counters, and sequencers without system interruption Dual mounting options: handheld operation or panel-mounted installation Direct plug-in connection via mating connectors to SLC controller processor units NEMA Type 12 and 13 enclosure compatibility; IEC 529 IP65 rated Lightweight design at 0.88 lbs. (0.43 kg) for portable operation Optional remote communication kit (Catalog No. 1745-N2) supports installations up to 100 ft. from controller Typical Applications Manufacturing automation systems requiring operator control of timing sequences Process control installations with real-time parameter adjustment capabilities Supervisory monitoring in automated production environments Compatibility & Integration Direct connection to Allen-Bradley SLC 100 and SLC 150 PLCs via plug-in connectors. Remote installations utilize the optional 1745-N2 remote communication kit for extended distances up to 100 ft. between terminal and controller.

1745TCAT Characteristics / Specifications

PARAMETER	VALUE
Model	1745-TCAT
Manufacturer	Allen-Bradley / Rockwell Automation
Instrument Type	Timer Counter Access Terminal
Series	Bulletin 1745 SLC 100
Alias	1745-TCAT; 1745TCAT; TCAT
Compatible Controllers	SLC 100, SLC 150
Display	discrete LEDs and 7-segment LED readouts
Keyboard	16 push keys
Keyswitch	2 position keylock with cover
Modes	Monitor and Modify
Modify Enable	key inserted and turned 90 degrees clockwise
Power Source	6 ft interconnect cable from processor
Interconnect Cable	6 ft (1.8 m) plug-in mating TCAT to processor
Remote Kit	1745-N2 up to 100 ft
Functions	online timer, counter, sequencer data monitor and modify
Indicators	instruction, protect, and data LEDs
Mounting	handheld or panel
Weight	13 oz (0.43 kg); 0.88 lb / 0.94 lb listed on reseller sheets
Operating Temperature	0 C to 60 C
Enclosure Applications	NEMA Type 12 and 13; IEC 529 IP65
Agency	UL listed, CSA certified
UPC	10662073925528
Not Analog Expansion	analog I/O on SLC 100 is 1745-E106/E107 class, not TCAT
I/O Expansion Max	SLC 100/150 expand to 112 I/O via 1745-Exx units (separate catalogs)
Form	dedicated access terminal, not a PLC processor

PARAMETER	VALUE
Lifecycle	legacy SLC 100 accessory
Error Tag	keyring tag for recording errors Notes Specs from Allen-Bradley 1745-TCAT product data compiled on DO Supply / IQ Electro sheets aligned with SLC 100 publications. Confirm interconnect versus 1745-N2 remote kit and keylock operation. This is not an analog combination module.

General Specifications & Supplementary Characteristics

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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.

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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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<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.