



Aumictech

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

ASTRONICS / EADS / TRIG-TEK

Astronics / EADS / Trig-Tek 850A Contact Chatter Detector

The Astronics/EADS/Trig-Tek 850A isacontact chatter detector used to measure bounce and chatter on relays switches and connectors. OEM Trig-Tek chatter detector literature describes timing thresholds for detecting unwanted intermittent openings and closings. Relay and switch qualification, connector intermittents screening, and production contact reliability testing. Instrument Type: contact chatter detector Primary Measurement: contact chatter and bounce Astronics Trig-Tek 850A Contact Chatter Detector The Astronics/EADS/Trig-Tek 850A isacontact chatter detector used to measure bounce and chatter on relays switches and connectors. OEM Trig-Tek chatter detector literature describes timing thresholds for detecting unwanted intermittent openings and closings. Relay and switch qualification, connector intermittents screening, and production contact reliability testing. Instrument Type: contact chatter detector



MODEL	CALIBRATION
Astronics / EADS / Trig-Tek 850A	Available on request
CONDITION	STATUS
Used	In stock
RFQ / SKU	LISTING
850A	https://aumictechlabs.com/products/850a-2/

- NIST-traceable cal
- SAM registered
- 30-day returns
- NAICS 423690 · 811210 · 541380

This unit

The Astronics / EADS / Trig-Tek 850A Contact Chatter Detector is a 10-channel instrument for monitoring switch and relay contact continuity under environmental stress. It identifies intermittent faults in electrical and mechanical systems by detecting contact anomalies with precision timing

and current control. The unit supports both Normally Closed (NC) and Normally Open (NO) contact configurations, selectable per channel via toggle switch.

Technical Specifications

Channels: 10 independent channels with individual fault indication

Contact Modes: NC and NO, toggle-selectable per channel

Current Source Compliance: 3 Volt maximum per channel

Current Source Accuracy: $\pm 3\%$ Full Scale

Contact Current Range: 0.1 mA to 11 mA, adjustable for all channels simultaneously

X0.1 position: 0.1 mA to 1.1 mA

X1 position: 1 mA to 11 mA

Timing Interval: 1 μ s to 999 μ s or 1 ms to 999 ms via dual selector switches

Timing Interval Accuracy: Setting ± 3 LSB

Fault Output: 12 Volt for fault condition, 0 Volt for no fault per channel

Power Requirements: 117 or 234 Volts RMS AC, selectable via internal switch

Dimensions: 19 inches wide $\times$ 3.5 inches high $\times$ 8 inches deep

Key Features

- Individual fault latch per channel with dedicated LED indicator
- Manual fault reset via front panel switch or remote reset terminal
- Adjustable contact current dial with dual-range multiplier (X1, X0.1)
- Precision timing interval control via microsecond/millisecond selector and thumbwheel
- Per-channel fault output terminals for external integration

Compatibility & Integration

850A Model: BNC connectors for 10-channel input

850B Model: Terminal interface for channel inputs

Fault reset capability via front panel or dedicated remote terminal

Electrical fault signals enable integration with external monitoring systems

850A Characteristics / Specifications

PARAMETER	VALUE
Model	850A
Instrument Type	contact chatter detector
Manufacturer Line	Trig-Tek / Astronics
Primary Measurement	contact chatter and bounce
Event Detection	intermittent open and close
Timing Threshold Class	programmable chatter window class
Indication	pass fail contact event class
Form Factor	benchtop chatter detector class
Operating Temperature Class	0 C to 40 C laboratory class
Storage Temperature Class	minus 40 C to 70 C class
Power Source Class	AC line powered class
Input Channels Class	contact under test inputs
Threshold Voltage Class	dry circuit to low level class
Minimum Detectable Pulse Class	microsecond class chatter
Test Method	timed continuity monitoring
Series Family	Trig-Tek 850
Related Brand Path	EADS Astronics Trig-Tek
Use Environment	QA and production screening
Interface Class	local controls and indicators
Calibration Class	timing threshold verification
Safety Class	low voltage contact testing
Enclosure Class	instrument case
Weight Class	benchtop instrument class
Humidity Class	noncondensing laboratory class
Storage temperature	Class: minus 40 C to 70 C class

PARAMETER

VALUE

Operating temperature

Class: 0 C to 40 C laboratory class

Humidity

Class: noncondensing laboratory class

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 40 C to 70 C class
Operating temperature	Class: 0 C to 40 C laboratory class
Operating Temperature	Class: 0 C to 40 C laboratory class
Humidity	Class: noncondensing laboratory class
Operating Temperature Class	0 C to 40 C laboratory class
Storage Temperature Class	minus 40 C to 70 C class
Power Source Class	AC line powered class
Input Channels Class	contact under test inputs
Threshold Voltage Class	dry circuit to low level class
Minimum Detectable Pulse Class	microsecond class chatter
Test Method	timed continuity monitoring
Series Family	Trig-Tek 850
Related Brand Path	EADS Astronics Trig-Tek
Use Environment	QA and production screening
Interface Class	local controls and indicators
Calibration Class	timing threshold verification
Safety Class	low voltage contact testing
Enclosure Class	instrument case
Weight Class	benchtop instrument class
Humidity Class	noncondensing laboratory class Notes Capability rows from Astronics/EADS/Trig-Tek 850A contact chatter detector catalog descriptions. Exact timing windows and channel counts follow the installed 850A configuration.

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	850A
Instrument Type	contact chatter detector
Manufacturer Line	Trig-Tek / Astronics
Primary Measurement	contact chatter and bounce
Event Detection	intermittent open and close
Timing Threshold Class	programmable chatter window class
Indication	pass fail contact event class
Form Factor	benchtop chatter detector class
Operating Temperature Class	0 C to 40 C laboratory class
Storage Temperature Class	minus 40 C to 70 C class
Power Source Class	AC line powered class
Input Channels Class	contact under test inputs
Threshold Voltage Class	dry circuit to low level class
Minimum Detectable Pulse Class	microsecond class chatter
Test Method	timed continuity monitoring
Series Family	Trig-Tek 850
Related Brand Path	EADS Astronics Trig-Tek
Use Environment	QA and production screening
Interface Class	local controls and indicators
Calibration Class	timing threshold verification
Safety Class	low voltage contact testing
Enclosure Class	instrument case
Weight Class	benchtop instrument class
Humidity Class	noncondensing laboratory class

Notes

Capability rows from Astronics/EADS/Trig-Tek 850A contact chatter detector catalog descriptions. Exact timing windows and channel counts follow the installed 850A configuration.

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
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

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