

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

EXFO

Exfo 8600 Inchworm Controller

Relative Humidity: 0 to 93 percent non-condensing Battery Charge: 2 hours from full discharge to full charge Literature: EXFO FTB-860 NetBlazer Series spec sheet SPFTB860Series Port counts, rates, BERT patterns, electrical plus or minus 4.6 ppm, size 130 × 36 × 252 mm, 0.58 kg, temperature, and battery rows from EXFO FTB-860 NetBlazer Series spec sheet SPFTB860Series. FTB-860G 10 GigE SFP+ optical tables are in the same sheet and apply only when the 860G hardware is installed. Slug exfo-8600 maps to FTB-860. Battery Charge: 2 hours from full discharge to full charge Literature: EXFO FTB-860 NetBlazer Series spec sheet SPFTB860Series Port counts, rates, BERT patterns, electrical plus or minus 4.6 ppm, size 130 x 36 × 252 mm, 0.58 kg, temperature, and battery rows from EXFO FTB-860 NetBlazer Series spec sheet SPFTB860Series. FTB-860G 10 GigE SFP+ optical tables are in the same sheet and apply only when the 860G hardware is installed. Slug exfo-8600 maps to FTB-860.



MODEL

Exfo 8600

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

8600

LISTING

<https://aumictechlabs.com/products/8600-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The EXFO 8600 Inchworm Controller is a precision motion control system engineered for sub-micron positioning accuracy in optical component testing and manufacturing. It commands up to six axes per chassis using patented Inchworm® motor technology, delivering nanometer-scale positioning steps without backlash or mechanical drift. The controller supports open- and closed-loop operation, automatic motor recognition, and multiple control interfaces for both manual and

remote operation. Technical Specifications Axis Control: Up to six axes per chassis Motor Compatibility: IW-800 series Inchworm motors (with or without shaft encoders), TSE-820 series integrally encoded stages, UHV series motors Control Modes: Open-loop (manual handset, joystick, TTL signals) and closed-loop (encoder feedback with step size, position display, zero point setting, position maintenance) Automatic Motor Recognition: Connected motors detected upon power-up Rotational Motion: Tangent radius input and selectable angular units for display Power Supply: Universal 90-260 V AC, 50/60 Hz Electrical Performance: Low radiated noise, high electrical immunity, CE compliant Key Features Piezoelectric (PZT) ceramic actuator technology for high-resolution linear positioning Sequential activation of three PZT elements (two clamps, one expanding/contracting) for smooth motion across extended ranges Front panel controls with optional handset or joystick RS-232 serial interface for remote control Optional GPIB interface for automated systems TTL signal compatibility for integrated automation Typical Applications Optical fiber positioning and alignment Precision optical component testing Manufacturing process automation requiring sub-micron accuracy Laboratory instrumentation with multi-axis motion requirements Compatibility & Integration The controller integrates directly with IW-800 and TSE-820 motor families, UHV series actuators, and standard laboratory control systems via RS-232 or GPIB protocols. Manual operation supports handsets and joysticks; automated systems interface through TTL signals.

8600 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Handheld Ethernet field tester module
Series Family	EXFO FTB-860 NetBlazer (FTB-860 / FTB-860G / FTB-860GL)
Electrical Ports	two 10/100/1000 Base-T (FTB-860)
Optical Ports	two 100/1000 optical (FTB-860)
Ethernet Rate Ftb 8	10 Base-T to 1 Gbit/s
Ethernet Rate Ftb 860g	10 Base-T to 10 Gbit/s with one 10 GigE LAN/WAN port
EtherSAM	ITU-T Y.1564 service configuration and performance tests, remote loopback or Dual Test Set
Rfc 25	throughput, back-to-back, frame loss, latency; RFC-defined and 1-7 user frame sizes
Bert Patterns	PRBS 2E9-1, 2E11-1, 2E15-1, 2E20-1, 2E23-1, 2E31-1 and one user pattern, invertible
Multistream	up to nine additional background streams
Electrical Tx Accuracy	plus or minus 4.6 ppm (10/100/1000 Base-T)
Electrical Reach	100 m
Electrical Connector	RJ-45
Optical Frequency Accuracy	plus or minus 4.6 ppm (plus or minus 15 ppm on BX10 class)
Optical Power Uncertainty	plus or minus 2 dB
Sfp Connector	LC
Module Size HxWxD	130 mm x 36 mm x 252 mm
Module Weight With Battery	0.58 kg (1.3 lb)
Operating Temperature	0 C to 50 C
Storage Temperature	minus 40 C to 70 C
Relative Humidity	0 to 93 percent non-condensing
Battery Life Typical	over 4 hours
Battery Charge	2 hours from full discharge to full charge
Languages	English, Chinese

PARAMETER	VALUE
Literature	EXFO FTB-860 NetBlazer Series spec sheet SPFTB860Series
Platform	EXFO FTB-1 handheld
Humidity	0 to 93 percent non-condensing

8600 Specifications

PARAMETER	VALUE
Key Features	EtherSAM bidirectional and RFC 2544
Through mode and intelligent autodiscovery	IPv6, ping/traceroute, cable test, Dual Test Set, smart loopback
Technical Specifications	Instrument Type: Handheld Ethernet field tester module

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 C to 70 C
Operating temperature	0 C to 50 C
Operating Temperature	0 C to 50 C
Humidity	0 to 93 percent non-condensing
Relative Humidity	0 to 93 percent non-condensing
Battery Life Typical	over 4 hours
Battery Charge	2 hours from full discharge to full charge
Languages	English, Chinese
Literature	EXFO FTB-860 NetBlazer Series spec sheet SPFTB860Series
Platform	EXFO FTB-1 handheld Notes Port counts, rates, BERT patterns, electrical plus or minus 4.6 ppm, size 130 × 36 × 252 mm, 0.58 kg, temperature, and battery rows from EXFO FTB-860 NetBlazer Series spec sheet SPFTB860Series. FTB-860G 10 GigE SFP+ optical tables are in the same sheet and apply only when the 860G hardware is installed. Slug exfo-8600 maps to FTB-860.

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
Instrument Type	Handheld Ethernet field tester module
Series Family	EXFO FTB-860 NetBlazer (FTB-860 / FTB-860G / FTB-860GL)
Electrical Ports	two 10/100/1000 Base-T (FTB-860)
Optical Ports	two 100/1000 optical (FTB-860)
Ethernet Rate Ftb 860	10 Base-T to 1 Gbit/s
Ethernet Rate Ftb 860g	10 Base-T to 10 Gbit/s with one 10 GigE LAN/WAN port
EtherSAM	ITU-T Y.1564 service configuration and performance tests, remote loopback or Dual Test Set
Rfc 2544	throughput, back-to-back, frame loss, latency; RFC-defined and 1-7 user frame sizes
Bert Patterns	PRBS 2E9-1, 2E11-1, 2E15-1, 2E20-1, 2E23-1, 2E31-1 and one user pattern, invertible
Multistream	up to nine additional background streams
Electrical Tx Accuracy	plus or minus 4.6 ppm (10/100/1000 Base-T)
Electrical Reach	100 m
Electrical Connector	RJ-45
Optical Frequency Accuracy	plus or minus 4.6 ppm (plus or minus 15 ppm on BX10 class)
Optical Power Uncertainty	plus or minus 2 dB
Sfp Connector	LC
Module Size HxWxD	130 mm x 36 mm x 252 mm
Module Weight With Battery	0.58 kg (1.3 lb)
Operating Temperature	0 C to 50 C
Storage Temperature	minus 40 C to 70 C
Relative Humidity	0 to 93 percent non-condensing
Battery Life Typical	over 4 hours
Battery Charge	2 hours from full discharge to full charge
Languages	English, Chinese

PARAMETER	VALUE
Literature	EXFO FTB-860 NetBlazer Series spec sheet SPFTB860Series
Platform	EXFO FTB-1 handheld

Notes

Port counts, rates, BERT patterns, electrical plus or minus 4.6 ppm, size 130 x 36 x 252 mm, 0.58 kg, temperature, and battery rows from EXFO FTB-860 NetBlazer Series spec sheet SPFTB860Series. FTB-860G 10 GigE SFP+ optical tables are in the same sheet and apply only when the 860G hardware is installed. Slug exfo-8600 maps to FTB-860.

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 14, 2026

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