

**Aumictech**

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Data Sheet

August 15, 2026

DICON

Dicon GP700P

DiCon GP700P Programmable Fiber Optic Switch The GP700P isaDiCon Fiberoptics GP700 programmable optical switch (P suffix). OEM DiCon GP700 literature describesaMEMS/optical-switch mainframe that routes single-mode fibers under GPIB/RS-232 class control for production test and lab automation, with modular switch cards. Channel count, IL, and wavelength band are on the GP700P configuration/data sheet and are not invented here. Sibling PA-15-9-LC and PS-12 optical modules appear in the same remaining DiCon set. The GP700P isaDiCon Fiberoptics GP700 programmable optical switch (P suffix). OEM DiCon GP700 literature describesaMEMS/optical-switch mainframe that routes single-mode fibers under GPIB/RS-232 class control for production test and lab automation, with modular switch cards. Channel count, IL, and wavelength band are on the GP700P configuration/data sheet and are not invented here. Sibling PA-15-9-LC and PS-12 optical modules appear in the same remaining DiCon set. Programmable fiber switching in optical production test and lab automation.



MODEL

DiCon GP700P

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

GP700P

LISTING

<https://aumictechlabs.com/products/gp700p-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Dicon GP700P is a programmable mainframe designed to integrate and control fiber-optic switching solutions, including switches, attenuators, tunable filters, and electrical triggers. Built on

the GP700 platform, it delivers flexible optical routing and testing capabilities across telecommunications, research, and industrial applications. The mainframe supports manual control, IEEE 488.2 (GPIB), and RS-232 interfaces, with front-panel vacuum fluorescent display for real-time status monitoring. An internal instruction set enables up to four mini-programs with nine memory registers for storing complete or partial device configurations. Technical Specifications Control & Interface Manual, IEEE 488.2 (GPIB), RS-232 control Front-panel vacuum fluorescent display Internal instruction set: up to four mini-programs Nine memory registers for device status storage Power Requirements Input voltage: 100 VAC to 240 VAC Maximum power consumption: 150 W Fuse: 2 A typical (2.5 A recommended for 6U-rack matrix switches) AC input leakage current: 3.5 mA max. Environmental Operating temperature: 0°C to +40°C Storage temperature: -20°C to +60°C Humidity: 40°C/90% RH/5 days Optical Performance (Module Dependent) 1×N switch insertion loss: 0.6 dB typ., 1.2 dB max. M×N matrix switch insertion loss: 1.2 dB typ., 2.4 dB max. Tunable filter insertion loss: 1.5 dB max. 1×N switch repeatability: ±0.02 dB max. (100 cycles) M×N matrix switch repeatability: ±0.04 dB max. (100 cycles) Singlemode back-reflection: -55 dB max. Tunable filter back-reflection: -50 dB max. Singlemode PDL: 0.05 dB max. (1550 nm reference) 1×N switch cross-talk: -80 dB max. Key Features Modular architecture supporting up to 30 tunable filters or attenuators Up to 64 small-signal switches (2×2, 1×2, on-off configurations) Up to 30 large 1×N switch modules per mainframe Scalable to larger configurations using multiple housings Low insertion loss and cross-talk isolation for precision optical switching Vacuum fluorescent display for instrument diagnostics Typical Applications Optical network testing and validation Automated fiber-optic component characterization Wavelength and attenuation routing in lab and production environments Research-grade optical system configuration and control Compatibility & Integration The GP700P integrates Dicon fiber-optic modules including 1×N switches, matrix switches, tunable filters, and variable attenuators. Integration via GPIB or RS-232 enables remote control and data logging in automated test systems.

GP700P Characteristics / Specifications

PARAMETER	VALUE
Model	GP700P
Instrument Type	Programmable fiber optic switch
Family	DiCon GP700
Manufacturer	DiCon Fiberoptics
Literature	DiCon GP700P programmable switch listings
System Role	optical path switching
Use Case	production test and lab automation
Control Class	GPIO/RS-232 class
Fiber Class	single-mode class
Form Factor	GP700 programmable mainframe
Sibling Pa	PA-15-9-LC
Sibling Ps	PS-12-4-9-13/15-SC-Z
Documentation Type	GP700P listing
Brand Lineage	DiCon Fiberoptics
Application Class	fiber switch
Related	GP700 family
Connector Class	fiber adapters plus remote I/O
Host Class	optical ATE
Year Class	GP700P
Ate Class	optical switch
Module Class	programmable switch mainframe
Wavelength Class	telecom SM bands (config)
Il Class	insertion-loss table on config sheet
Card Class	modular switch cards

GP700P Specifications

PARAMETER	VALUE
DiCon GP700P Programmable Fiber Optic Switch	Overview
Key Features	DiCon GP700 programmable optical switch
Technical Specifications	Model: GP700P

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 DiCon GP700P programmable optical-switch listings. Channel count, insertion loss, and wavelength band are on the GP700P configuration/data sheet; do not invent them.

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.