

Data Center Expert 700 (DCX 700)

Tier 1 Multifiber Testing Redefined – One Cord. 24 Fibers. Zero Doubt.

Experience fast, repeatable fiber certification – DCX™ 700 simplifies the process to deliver reliable results for every crew and every site

Fiber Certification Made Simple

Simplify and accelerate entire fiber certification process from job definition to referencing to testing to closeout.

Reliable Processes and Outcomes

Standardize repeatable outcomes across crews and sites, ensuring every job is done right the first time – regardless of who's on the team.

Universal for All Connectivity Options

Certify fiber across all multifiber connectivity and environments with the same instrument and workflows.

Key Benefits

- Certify more fibers per shift with fewer errors
- Simplify setup with one-cord referencing
- Eliminate Y-cables with native 12/16/24-fiber support
- Reduce training time for new technicians
- Adapt to future connectivity with swappable adapters
- Automate workflows to reduce manual steps

Key Features

- One-cord referencing for 12/16/24-fiber certification
- Swappable adapters for evolving connectivity
- Automated test workflows with guided setup
- Rugged, field-ready design for data center use
- Extended life battery for full-day use



Specifications

General	
Display	High Contrast 5" Color Touch Screen
Storage and Interface	
Data Storage	10,000 Tier 1 Results on DCX 760
Data Download Capability	Via USB from DCX 760 to ReportPRO and WiFi/Bluetooth to VIAVI MobileTech App and/or StrataSync
Remote Control Capability	Via VIAVI MobileTech App
Electrical Interfaces	1x USB-C, 1x DC
Wireless Interfaces	WiFi/Bluetooth
Power Options	
Battery	Rechargeable Li-ion Battery 49.7 Wh
Operation Time	Typ. 10 hrs.
Environmental Conditions	
EMI/ESD	CE Compliant
Recommended Calibration Interval	36 Months for Mainframe
Operating Temperature	23°F to 113°F (-5°C to +45°C)
Storage Temperature	-7.6°F to 131°F (-22°C to +55°C)
Dimensions (H x W x D)	8.2 x 4.4 x 2.5 in (21 x 12 x 6 cm)
Weight	2.5 lbs (1.1 kg) per device
Tier 1 (Loss, Length, Polarity)	
Testing Speed for 24 Channels	Typ. 1 Second
Test Standards	Link Validation, Standards-Based Limits and Application-Based Limits
Nominal Test Wavelengths	1310 and 1550 nm
Maximum Length Measurement	25 km
Length Measurement Accuracy	±1.5 m ±1% of length
Loss Measurement Uncertainty	±0.15 dB
Light Source	
Transmission Wavelengths	1310 and 1550 nm
Transmission Wavelengths Accuracy	±20 nm
Transmission Wavelengths Output Power	typ. -11 dBm
FWHM Spectral Width	< 5 nm
Short Term Stability	±0.02 dB within 15 min
Long Term Stability	±0.1 dB within 8 hrs.
Power Meter	
Spectral Range	Broadband (800...1650 nm)
Wavelength Setting	1310, 1550 nm
Calibrated Wavelengths	1310, 1550 nm
Power Measurement Range	-50...+3 dBm
Absolute Optical Power Level Measurement Uncertainty	±0.8 dB
Linearity	±0.15 dB

Ordering Information

Description	Catalog Number
Kits	
DCX 700 Tier 1 Optical Loss Test Set MMC-16 Bundle	DCX-700-MMC-16P
DCX 700 Tier 1 Optical Loss Test Set MMC-24 Bundle	DCX-700-MMC-24P
DCX 700 Tier 1 Optical Loss Test Set MPO-12 Bundle	DCX-700-MPO-12U
Kits include: DCX 750, DCX 750 Adapter, DCX 760, DCX 760 Adapter, 2x Batteries, 2x Power Supplies, USB Cable, Test Cords and Adapters, Quick Start Guide, Safety Sheet and Bag	
Base Units	
DCX 750 Tier 1 Singlemode Light Source Base Unit	DCX-750
DCX 760 Tier 1 Broadband Power Meter Base Unit	DCX-760
Adapters for Base Units	
DCX 750 Tier 1 Singlemode Light Source Adapter MMC-16 Pinned	DCX-750-MMC-16P
DCX 750 Tier 1 Singlemode Light Source Adapter MMC-24 Pinned	DCX-750-MMC-24P
DCX 750 Tier 1 Singlemode Light Source Adapter MPO-12 Unpinned	DCX-750-MPO-12U
DCX 760 Tier 1 Broadband Power Meter Adapter MMC-16 Pinned	DCX-760-MMC-16P
DCX 760 Tier 1 Broadband Power Meter Adapter MMC-24 Pinned	DCX-760-MMC-24P
DCX 760 Tier 1 Broadband Power Meter Adapter MPO-12 Unpinned	DCX-760-MPO-12U
Accessories	
Battery Rechargeable 49.7Wh for DCX 700 and INX 764	BATTERY-50WH
Power Supply USB Type C Fast Charger (w/o USB Cable)	FPP-PS1
Bag	2128/04
Battery Charger	BATTERY-CHARGER
USB Cable Type C to Type C 1 m	USB-CABLE-1M
USB Cable Type C to Barrel 1 m	USB-BARREL-1M
Test Cords and Adapters	
MPO-12 Pinned to MPO-12 Pinned Polarity B 2 m Singlemode	MPO-12P-P-B-2M-SM
MPO-12 Unpinned to MPO-12 Unpinned Polarity B 2 m Singlemode	MPO-12U-U-B-2M-SM
MPO Adapter Key Up to Key Down 1 Port	S3126
MMC-16 Unpinned to MMC-16 Unpinned Polarity Flip 2 m Singlemode	MMC-16U-U-F-2M-SM
MMC-16 Pinned to MMC-16 Pinned Polarity Flip 2 m Singlemode	MMC-16P-P-F-2M-SM
MMC-24 Unpinned to MMC-24 Unpinned Polarity Flip 2 m Singlemode	MMC-24U-U-F-2M-SM
MMC-24 Pinned to MMC-24 Pinned Polarity Flip 2 m Singlemode	MMC-24P-P-F-2M-SM
MMC Adapter Senior to Senior	MMC-ADAPTER-SEN
Upgrade Packages	
MPO-12 Unpinned	DCX-700-UPG-MPO-12U
MMC-16 Pinned	DCX-700-UPG-MMC-16P
MMC-24 Pinned	DCX-700-UPG-MMC-24P
Upgrade Packages include: DCX 750 Adapter, DCX 760 Adapter, Test Cords and Adapters	



Contact Us: +1 844 GO VIAVI | (+1 844 468 4284). To reach the VIAVI office nearest you, visit viasolutions.com/contact