



CATV/PON/EDFA | EPON/GPON | OFC CABLE
TEST & MEASURING INSTRUMENTS



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Business Partners:



Achieving
Globalized Approach
of Quality Products For
Distribution Network

**Product
Catalogue # 2021-22**

Mass fusion splicer for upto 12 fiber ribbon

TYPE-82M12

Industry only
dual independent heaters



Two Independent Heaters for High Productivity



Touch Screen Control Panel



Durable & Rugged



Reduce your work time Splicing 1Ts Heating 25s



Realises splice loss 0.05dB



Useful cloud hosted splicer services via your smartphone App.

High Definition Core Aligning fusion splicer

TYPE-82C+

Advanced, Adept, Assured

Splicing 5s / Heating 8s

Splicing loss SMF 0.01dB (Typical)



Useful cloud hosted splicer services via your smartphone App.



Powered by



Preventive Maintenance



Dual speed high heating



Proven field toughness



Long life battery

Core Alignment fusion splicer

Z2C

Fast, Capable, Practical

Fast Splicing 6s / Heating 15s

Splicing loss SMF 0.02dB (Typical)



Touch optimised user interface and high resolution display



Proven field toughness



Long life battery for 300 splice & heat cycles



Useful cloud hosted splicer services via your smartphone App.

Active Clad Alignment fusion splicer

T-400S

Fast, Versatile, Easy



Carry out your mission as fast as possible



All the FTTx fiber splicers in one machine



Simple operation by brand-new user interface

Handy Cleaver - FC-8R

With Auto-Rotating Blade



High quality blade ensures high quality cleaves



Consistent quality for 60,000 cleaves Sumitomo Electric hard metal technology



Easy and simple Patented blade rotation for reduced maintenance



AE 3100 Series LIVE OTDR

Model No.	Wavelength(nm)	Dynamic Range	Features
AE3100CP-1	1625/1550/1310	37/35/35dB	* Power Meter+OTDR+VFL+LS
AE3100DP-1	1625/1550/1310	40/38/38dB	* Power Meter+OTDR+VFL+LS
AE3100EP-1	1625/1550/1310	42/40/37dB	* Power Meter+OTDR+VFL+LS



AE 3100 Series MF OTDR



Model No.	Dynamic Range	Features
AE3100A	30/28dB	* Power Meter+OTDR+VFL+LS
AE3100B	34/32dB	* Power Meter+OTDR+VFL+LS
AE3100C	36/34dB	* Power Meter+OTDR+VFL+LS
AE3100D	40/38dB	* Power Meter+OTDR+VFL+LS
AE3100E	43/41dB	* Power Meter+OTDR+VFL+LS
AE3100F	45/43dB	* Power Meter+OTDR+VFL+LS

PON Power Meter EP-310

Model No.	Features
EP310	* Simultaneously verifies the power level of all PON
	* wavelengths (1310nm, 1490 nm & 1550nm)
	* Pass/fail analysis helps user quickly interpret
	* result and ensures consistent PON network turn-up



LS300 Series Laser Source

Models	Wavelength	Laser Type	Output Power
LS310A	1310nm, 1550nm	*1310 ± 20nm (FP-LD) 1550 ± 20nm (FP-LD)	> -5dBm
LS310A+VFL	1310nm, 1550nm	*1310 ± 20nm (FP-LD) 1550 ± 20nm (FP-LD)	> -5dBm
LS310B	1310nm, 1550nm, 1490nm	1310 ± 20nm (FP-LD) 1550 ± 20nm (FP-LD) 1490 ± 3nm (DFB)	> -3dBm
LS310B+VFL	1310nm, 1550nm, 1490nm	1310 ± 20nm (FP-LD) 1550 ± 20nm (FP-LD) 1490 ± 3nm (DFB)	> -3dBm

AE200 Series Optical Power Meter

Models	Detector	Measurement Range
AE-210	InGaAsφ,300μm	-50dBm~+26dBm
AE-210 VFL	InGaAsφ,300μm	-50dBm~+26dBm +10 KM
AE-270	InGaAsφ,300μm	-70dBm~+10dBm
AE-270 VFL	InGaAsφ,300μm	-70dBm~+10dBm +10 KM
AE-230	InGaAsφ,2000μm	-50dBm~+26dBm} Direct Fiber
AE-230 VFL	InGaAsφ,2000μm	-50dBm~+26dBm +10 KM



EP710 Series Optical Meter

Model No.	EP710A	EP710B	EP710C	EP710D
Power Meter Input Range	-50 to +26dBm		-70 to +10dBm	
Laser Source Central Wavelength	1310±20nm(FP) 1550±20nm(FP)	1310±20nm(FP) 1550±20nm(FP) 1490±20nm(DFB)	1310±20nm(FP) 1550±20nm(FP)	1310±20nm(FP) 1550±20nm(FP) 1490±3nm(DFB)

VF10 Visual Fault Locator

Features:

- * 25mm universal connector
- * Features Pulse and CW modes
- * Illuminates distances up to 10km



Networking Products

GPON OLT

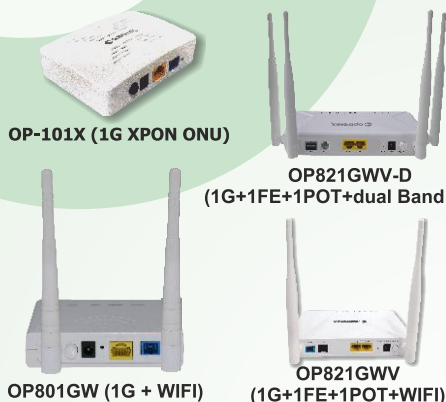
Features:

- ✱ Meet ITU-T G984/G.988 standards
- ✱ Open to any brand of ONT
- ✱ 16K Mac address
- ✱ Support 4096 VLANs
- ✱ Managemnt - SNMP, TELNET, CLI, WEB



**OP-100P8G
(8 PON OLT)**

XPON ONU



OP-101X (1G XPON ONU)

**OP821GWV-D
(1G+1FE+1POT+dual Band WIFI)**

OP801GW (1G + WIFI)

**OP821GWV
(1G+1FE+1POT+WIFI)**

Features:

- ✱ Support IPv6, PPPoE, DHCP and Static IP configuration for WAN Interface
- ✱ Support SIP/H.248 voice protocol
- ✱ Port type POTS(VOIP)
- ✱ Router mode supports PPPoE/DHCP/ static IP
- ✱ Support loop detection

GEPON L3 OLT SERIES

Features:

- ✱ Open to any brand of ONU
- ✱ Power backup
- ✱ Support Routing Features
- ✱ Easy to manage and friendly interface
- ✱ Managemnt - SNMP, TELNET, CLI, WEB



OP-100P8 (8 PON OLT)



OP-100P4 (4 PON OLT)

GEPON ONU



**OP101E
(1GE EPON ONU)**

Features:

- ✱ Router mode supports PPPoE/DHCP/ static IP
- ✱ Support port-based rate limitation and bandwidth control
- ✱ In compliant with IEEE802.3ah standard
- ✱ Support loop detection

PON SFP

Features:

- ✱ Tx Optical Power : 7~9 dBm
- ✱ Maximum Transmission Distance : upto 20KM



GEAPON SFP PX20++



GPON SFP C++

SFP MODULES



S.No.	Description	K.M	Wavelength (nm)
1	1.25GBase-BIDI SFP Transceiver	20	1310/1550 & 1550/1310
2	1.25GBase-LR SFP Transceiver	20	1310
3	10GBase-LR SFP+ Transceiver	10	1310
4	10GBase-BIDI SFP+ Transceiver	20	1270/1330 & 1330/1270
5	10GBase-BIDI SFP+ Transceiver	60	1270/1330 & 1330/1270



MAX-700B/C Series of OTDRs

Features :

- ✱ 12 Hr. Battery Life & 2 GB Memory for 20,000 Traces.
- ✱ Built-in stable light source.
- ✱ Compatible with all EXFO fiber inspection probe.



Optimized for Singlemode FTTx (PON) Network (Splitter upto 1x128).
Wavelengths: 1310/1550nm as standard & 1310/1550/1625nm as option.
Dynamic Range 39/38 dB.

Max Tester 730C FTTx OTDR



Wavelengths: 1310/1550nm for SM & 850/1300nm for MM.
Dynamic Range 36/35 dB for SM & 27/29 dB for MM.

Max Tester 720C Access OTDR



Optimized for Cable TV Networks.
Available Wavelengths: 1310/1550nm.
Dynamic Range 30/28 dB.

Max Tester 715B Last-Mile (CATV) OTDR

PON EDFA



Dual Input Optical Switch



A WDM EDFA is used to integrated 1550nm CATV (optical signal) and 1490nm /1310nm data stream from the PON into single fiber transmission.

FEATURES

WDM 1310/1490/1550nm integration
Compliant with JDSU/OCLARO pump.

Models

- ✱ PON EDFA 4x19.5
- ✱ PON EDFA 8x19.5
- ✱ PON EDFA 16x19.5
- ✱ PON EDFA 32x19.5

Dual Input
Available in all
types of Models

CATV-EDFA



Models

- ✱ EDFA 4x16
- ✱ EDFA 8x16
- ✱ EDFA 4X19.5
- ✱ EDFA 8X19.5
- ✱ EDFA 16X19.5

FEATURES

Adopts Er Yb Codoped double-clad fiber technology
Output ports: 4-8 optional:

Optical Transmitter



1550nm INT/EXT Optical Transmitter

FEATURES

High performance DFB Lasers with Narrow Lines
Good Linear and high Output Power
Advance Multi-frequency pre-distortion technology
RF GaAs Device Improve the CTC and CSO

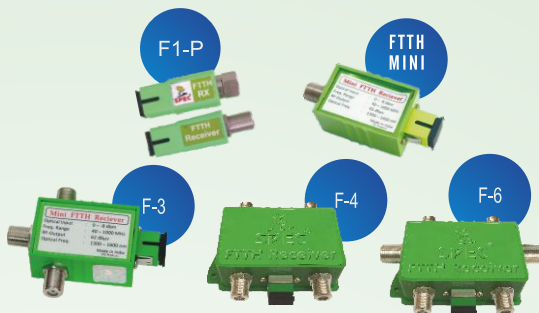
External
5x1 dBm
7x2 dBm
9x2 dBm

Internal
6dBm

Passive Node

FEATURES

- Excellent linearity and flatness.
- Extremely good return loss.
- Light in weight.
- Noise free RF output.



FPR1020



FPR1030



FPR1010



FPR1000

PON WDM NODE

FEATURES

- Max Output Level-95/105dBm
- Operate 12V DC thru adapter, solar and reverse psp
- Solar Battery DC Power Operate
- Optical Input 1310 / 1490 / 1550nm

Battery Transmitter

FEATURES

- Over Charging Protection
- Low Charging Cut-off
- Li-Ion Battery (LG) 3350 mAh
- 3 Charging Options
- AC-DC Adaptor/Reverse POC
- Solar Power 12V~35V DC



DC NODE - EX (8-12V)

FEATURES

- Optical input (+2~-15dBm).
- LED for Power Monitoring.
- Power Supply Option.
- 8 to 12V DC Input (MS)/FAL
- Power Failure Solution.

Battery Node

FEATURES

- Li-Ion Rechargeable Battery
- Optical Power Range+2~-12dBm
- Battery Back-up Options Available
- 40 hours(95dB at 0dBm) (MS/FAL)
- 18 hours(100dB at 0dBm) (MS/FAL)
- 15 hours(105dB at 0dBm) (MS/FAL)



DIGITAL METER

FEATURES

- Four Channel Display with Self Calibration upto $\pm 6dB$
- Auto Scan Function.
- Digital PLL Synthesized Tuner.
- CCIR PAL B/G E-2 - E69 (106 Channels).
- Micro Controller based SMPS.
- Lithium Battery Charger (7.4V 2200mA).
- BER/MER Measurement.



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For complete range of spec product please visit www.spectechnology.com

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