OTDR summary chart

			APPLICATIONS													OPTICAL SPECIFICATIONS																OTDR FEATURES													
																Wavelength (nm) / Dynamic range																Modules				Distance range (km) [1]									
																Standard multimode		Standard singlemode					Water peak	CWDM	DWDM										Standard singlemode					Water peak	CWDM	DWDM		
	OTDR MODEL	MODEL NAME	Last mile	Access (P2P)	FTTH/PON	Fronthaul/Backhaul	LAN/WAN / Enterprise / Data centers	Metro (P2P)	CWDM/DWDM metro Ethernet	Passive point-to-multipoint xWDM systems	Longhaul	Ultra-longhaul	CATV/HFC	Passive optical LAN (POL)	Live fiber troubleshooting	850	1300	1310	1490	1550	1625	1650	1383	Up to 18 channels	C-band 1528/1568 nm (ITU 12-62)	Event dead zone (m)	Attenuation dead zone (m)	PON dead zone	Singlemode (SM)	Multimode (MM) and Encircled Flux (EF) compliant	iOLM-Ready	In-line power meter	1310	1490	1550	1625	1650	1383	Up to 18 channels	C-band 1528/1568 nm (ITU 12-62)
AXS	AXS-120	Last-mile/access compact OTDR	•	•	•	•							•	•				35		33							0.8	3.5	35	•				100		175					
AXS	AXS-130	PON compact OTDR																42		40		39											123		219		136			
MaxTester	MaxTester 715D	Last-mile OTDR	•	•		•							•		•			32		30		30				0.9	3.6	–	•		•		90		156		100			
MaxTester	MaxTester 720D	LAN/WAN access OTDR	•	•	•	•	•						•	•	•	26	29	36		35		35				0.7 SM / 0.5 MM	2.5 SM / 2.0 MM	35	•	•	•	•	103		188		120			
MaxTester	MaxTester 730D	PON/metro OTDR	•	•	•	•		•					•	•	•			39		39	39	39				0.5	2.2	30	•		•	•	113		213	189	136			
MaxTester	MaxTester 735D	Metro/PON FTTx/MDU OTDR	•	•	•	•		•					•	•	•			42		42	42	42				0.5	2.5	30	•		•		123		231	206	148			
MaxTester	MaxTester 740C DWOCC (Optical Wave Expert)	DWDM tunable OTDR + Channel checker				•			•	•			•		•									40		0.7	3.5	–	•		•									140
FTB-Lite	FTB Lite 720D	LAN/WAN access OTDR	•	•	•	•	•						•	•	•	28	30	38		36		37				0.7 SM / 0.5 MM	2.5 SM / 2.0 MM	35	•	•	•	•	110		194		128			
FTB-Lite	FTB Lite 730D	PON/metro OTDR	•	•	•	•		•					•	•	•			42		40	40	39				0.5	2.2	30	•		•	•	123		219	194	136			
FTB-Lite	FTB Lite 735D	Metro/PON FTTx/MDU OTDR	•	•	•	•		•					•	•	•			45		44	42	42				0.5	2.5	30	•		•		133		244	206	148			
FTB-Lite	FTB Lite 750C	Metro/longhaul OTDR	•	•		•		•			•		•		•			46		46	45					0.5	2.5	–	•		•		137		256	222				
FTB	FTBx-720D	LAN/WAN access OTDR	•	•	•	•	•						•	•	•	28	30	38		36		37				0.7 SM / 0.5 MM	2.5 SM / 2.0 MM	35	•	•	•	•	110		194		128			
FTB	FTBx-730D	PON FTTx/MDU OTDR	•	•	•	•		•					•	•	•			42		40	40	39				0.5	2.2	30	•		•	•	123		219	194	136			
FTB	FTBx-735D	Metro/PON FTTx/MDU OTDR	•	•	•	•		•					•	•	•			45		44	42	42				0.5	2.5	30	•		•		133		244	206	148			
FTB	FTBx-740C	C/DWDM tunable OTDR	•	•	•	•		•	•	•			•		•			37	37	37				37	37	1.1 CWDM 0.7 DWC	5 CWDM 3.5 DWC	–	•		•		107	152	200				128	128
FTB	FTBx-750C	Metro/longhaul OTDR	•	•		•		•			•		•		•			46		46	45					0.5	2.5	–	•		•		137		256	222				

[1] Distances are estimates only; this estimates consider a 5 dB buffer and averaged attenuation profile of SMF28 ULL fiber.
Many other variables can affect distances such as fiber type, wavelength, splices, connections, fiber anomalies, etc.

OTDR summary chart[1]

		PLATFORMS																																												
		AXS Series				FTB Lite												FTB-1 Pro / FTB-2 Pro / FTB-4 Pro																MaxTester												
WAVELENGTH (nm)	OTDR MODELS	AXS-120-SM1	AXS-130-SM1	AXS-130-SM7	AXS-130-SM8	FTB-LITE-720D-SM1	FTB-LITE-720D-Q2-QUAD	FTB-LITE- 720D-SM8	FTB-LITE- 730D-SM1	FTB-LITE- 730D-SM3	FTB-LITE- 730D-SM7	FTB-LITE- 730D-SM8	FTB-LITE- 735D-SM1	FTB-LITE- 735D-SM3	FTB-LITE- 735D-SM8	FTB-LITE-750C-SM1	FTB-LITE-750C-SM3	FTBx-720D-SM1	FTBx-720D-Q1-QUAD	FTBx-720D-SM8	FTBx-730D-SM1	FTBx-730D-SM3	FTBx-730D-SM7	FTBx-730D-SM8	FTBx-735D-SM1	FTBx-735D-SM3	FTBx-735D-SM8	FTBx-740C-DWC[2]	FTBx-740C-DWOCC[2]	FTBx-740C-CW10[2]	FTBx-740C-CW18-M18W[2]	FTBx-750C-SM1	FTBx-750C-SM3	MAX-715D-SM1	MAX-715D-SM8	MAX-720D-SM1	MAX-720D-Q2-QUAD	MAX-720D-SM8	MAX-730D-SM1	MAX-730D-SM3	MAX-730D-SM7	MAX-730D-SM8	MAX-735D-SM1	MAX-735D-SM3	MAX-735D-SM8	MAX-740C-DWOCC
Standard multimode testing	850						•												•																		•									
	1300						•												•																		•									
Standard singlemode testing	1310	•	•		•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•		•	•	•	•				•	•	•	•	•	•	•	•	•	•		•	•	•	•	
	1490																													•	•															
	1550	•	•		•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•		•	•	•	•			•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	
	1625									•				•								•				•														•				•		
	1650			•	•			•			•	•			•					•			•	•			•								•			•			•	•			•	
CWDM channels	Up to 18 channels																													10 upper λ	18λ															
DWDM channels	C-band 1528/1568 nm (ITU 12-62), 100/50 GHz																											•	•																	•

[1] Get the most up-to-date information about OTDR specifications on www.EXFO.com.
In case of any discrepancies between this chart and our online specifications sheets, use the latter as reference.

[2] DFB laser.

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