Optical Time Domain Reflectometer-TOT650
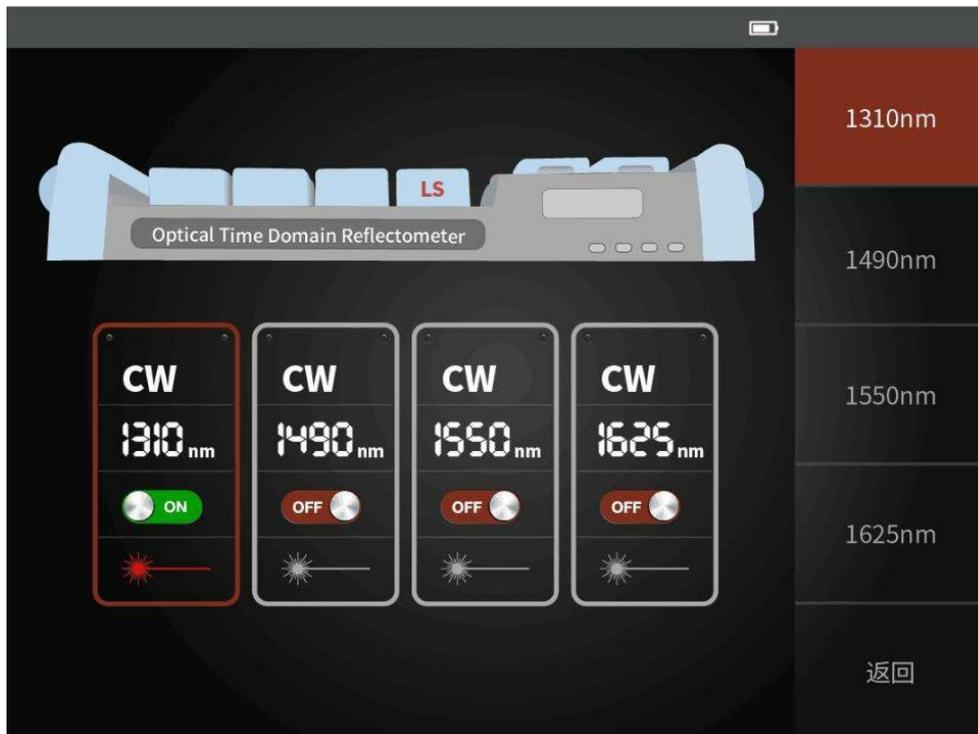
- Automatic Measurement Mode: Only by selecting the measurement wavelength, the measurement parameters are automatically set, and the trace data is automatically saved and automatically analyzed.

- Multi-wavelength Measurement Mode: In the parameter setting, the wavelength can be automatically switched into the multi-wavelength measurement mode. Under this mode, the analysis can be achieved on the attenuation state of the same fiber section under different wavelengths.

- Trace Fixing Function: It can achieve the same-screen comparison and display of one trace with another real-time trace or the trace under the average measurement, which is very useful for the installation of multi-core fiber or the checking of the aged fiber in the optical fiber network already been installed.

- Multi-wavelength Analysis Function: It can achieve the comparison, display and analysis functions of any trace file.

- FTTx online testing, able to identify the splitter and the fiber's end.

- Large-capacity lithium-ion rechargeable battery, with the long standby time over 12 hours.

- Bellcore file format (.sor), with the storage of greater than 2000 traces.

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- Communication Light Detection: It can effectively protect the test instrumentation and communication equipment's.

- Connection State Detection: To promptly know the connection status of the instrumentation and the fiber for test.

- The Switching of Measurement Mode: Through the shortcut key operation, it can achieve the flexible switching of real-time measurement mode and average measurement mode.

OTDR Traces Manager PC software:

- To achieve easily the function of bulk amendment and batch printing.

- Able to generate different forms of test reports according to user needs.

- To provide various flexible printing modes: The single-page single-trace printing mode, the batch printing mode, the single-page multi-trace printing mode, the printing mode of multi-waveform display. To provide the personalized selection of printing options and page setup.

- The Function of Waveform Difference Comparison: It can open several waveforms in the same window, making more easily the comparison of parameter change caused by fiber aging or other reasons.

	Technical Specifications[1]								
Model	S35A	S35B	S35C	S35D	S345B	S356B	S356C	M83B	SMB
Wavelength (nm)	1310/1550				1310/ 1490/ 1550	1310/ 1550/ 1625	1310/ 1550/ 1625	850/ 1300	850/1300+13 10/ 1550
Dynamic range (dB)[2]	33/35	36/38	40/42	43/45	35/35/37	35/35/37	35/35/37	26/30	26/30/35/37
Event blind zone (m)	1m	0.8m	0.8m	0.8m	0.8m	0.8m	0.8m	1m	1m
Attenuation blind zone (m)	6m	6m	6m	6m	6m	6m	6m	6m	6m
Pulse width (ns)	5、10、50、160、320、500、1000、5000、10000、20000ns								
Test distance	500m, 1km, 2km, 4km, 8km, 16km, 32km, 64km, 128km, 256km								
Type	Single model								
Linearity	±0.05 dB/ dB								

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(dB/dB)	
Accuracy of reflection	±3dB
Sampling point	128K
Distance uncertainty (m)	±(0.75m + 5×10^{-5}× distance + sampling interval)
Memory capacity of trace	SD Card , > 2000 pieces
Supply	AC/DC charger: 100V-240V, 50/60/HZ, 0.6A Battery: 7.4V 6700mAh
Optical power meter	+26dBm~-50dBm (+6dBm~-70dBm)

	General specification		Interface category	
Dimension (H×W×D)	215×150×70mm		Optical interface	FC/PC(SC,ST for option)
Weight	<1.1kg		Data interface	USB interface, mini-USB, 10M/100M ethernet port
Temperature	Running temperature -5℃ to 50℃			
	Memory temperature -20℃ to 70℃		**Visible failure orientation VFL**	
Relative humidity	0% to 95% (non condensation)		Wavelength	650nm±10nm,≥5mW
Power supply	Lithium battery; continuing working duration max 12 hours		Output power (dBm)	≥-5
Warranty period	12 months		Maximum testing distance	5km