

## OTDR 600



600 Series OTDR meet the needs on the wide range of measurement by FTTx, Metropolitan Area Network, Backbone Network and other optical networks.

## TECHNICAL SPECIFICATION <sup>1</sup>

Wavelength (nm)	850/1300	1310/1550	1310/1490/1550	1625
Dynamic range (dB) <sup>2</sup>	21/19	32/30   38/36   40/38	32/30/30	34 <sup>4</sup>   36 <sup>5</sup>
Pulse width (ns)	5, 20, 40, 80, 160, 320, 640, 1280			
Event blind zone (m) <sup>3</sup>	≤ 1,8			
Attenuation blind zone (m) <sup>3</sup>	≤ 10			
Linearity (dB/dB)	±0.05			
Loss threshold (dB)	0.05			
Loss resolution ratio (dB)	0.001			
Sampling resolution ratio (m)	0.125 to 8			
Sampling point	32K			
Distance uncertainty (m)	±(1 m + 5×10 <sup>-5</sup> × distance + sampling interval)			
Distance scope (km)	0.3 to 180			
Typical real-time refreshing duration (s)	0.2			
Memory capacity of trace	SD Card (4G), > 10000 pieces			
Duration of measurement	Defined by user; 5sec, 10sec, 15sec, 30sec, 1min, 2min, and 3min are selectable			

## GENERAL SPECIFICATION

Dimension (H×W×D)	150×235×66mm
Weight	1.5kg
Temperature	Running temperature -10°C to 50°C
	Memory temperature -40°C to 70°C
Relative humidity	0% to 95% (non condensation)
Power supply	Lithium battery; continuing working duration ≥ 8 hours
Display	5.6" LCD touch screen



Interface category	
Optical interface	FC/UPC (PC, and APC are selectable)
Data interface	USB interface, SD card interface

Visible failure orientation VFL	
Wavelength	650nm
Output power (dBm)	≥ -3
Maximum testing distance	3km

Remarks: 1. The technical specification describes the ensured performance of the instrument when using typical PC model connector to measure. Without considering the uncertainty caused by optical fiber refractivity.  
 2. Dynamic range is the data measured under the condition of the maximum pulse width and 3 minutes of average time.  
 Dynamic range is the data measured under the condition of 180km/20480ns/3min.  
 3. Measuring conditions of blind zone: reflection event is within 4Km, reflection strength < -45dB. Measured by the minimum pulse width.  
 4. Dynamic range measured when there is filter.  
 5. Dynamic range measured when there is no filter.

## MODEL DETAILS:

### PART NUMBERS:

<b>OTDR-600-MV10A</b>	850/1300 MMF+VFL, 20/18dB
<b>OTDR-600-MV10B</b>	850/1300 MMF+VFL, 23/21dB
<b>OTDR-600-SV20A</b>	1310/1550 SMF+VFL, 32/30dB
<b>OTDR-600-SV20C</b>	1310/1550 SMF+VFL, 38/36dB
<b>OTDR-600-SV20D</b>	1310/1550 SMF+VFL, 40/38dB
<b>OTDR-600-SV30A</b>	1310/1490/1550 SMF+VFL, 32/30/30dB
<b>OTDR-600-SV30C</b>	1310/1490/1550 SMF+VFL, 36/34/34dB
<b>OTDR-600-SS24AF</b>	1310/1490 SMF + 1625 SMF+VFL, 32/30/28dB
<b>OTDR-600-SS24CF</b>	1310/1490 SMF + 1625 SMF+VFL, 38/36/34dB
<b>OTDR-600-MS8035AA</b>	850 MMF + 1310/1550 SMF+VFL, 22/30/28dB
<b>OTDR-600-MS8330AA</b>	850/1300 MMF + 1310 SMF+VFL, 20/18/30dB
<b>OTDR-600-MS8035BA</b>	850 MMF + 1310/1550 SMF+VFL, 25/30/28dB
<b>OTDR-600-MS8330BA</b>	850/1300 MMF + 1310 SMF+VFL, 23/21/30dB
<b>OTDR-600-MS8335AA</b>	850/1300 MMF + 1310/1550 SMF+VFL, 20/18/30dB