Handheld Instrument Series - Optical Time Domain Reflectometer FF600

Fibrefox

Specifications

Size (HXWXD)	150 x 235 x 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; continuous working hours ≥ 8 hours

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

The FF600 has a large LCD touch screen and short-cut keys to make it very easy to operate. The large-capacity polymer lithium battery gives the device enough power to work for up to 8 consecutive hours. Super-large storage capacity of traces all saved on an SD card. The FF600 is abe to meet FTTx testing needs and several wavelengths can be chosen. Solid casing design means the device is not only durable, it is also dustproof and shockproof. Overall, the FF600 boasts intelligent testing, simple to use and is packed full of powerful functions.

Model Details:

- FF600 - MV10A = 850/1300MMF + VFL,20/18dB
- FF600 - MV10B = 850/1300MMF + VFL,23/21dB
- FF600 - SV20A = 1310/1550SMF + VFL,32/30dB
- FF600 - SV20C = 1310/1550SMF + VFL,38/36dB
- FF600 - SV20D = 1310/1550SMF + VFL,42/40dB
- FF600 - SV30A = 1310/1490/1550SMF + VFL,32/30/30dB
- FF600 - SV30C = 1310/1490/1550SMF + VFL,36/34/34dB
- FF600 - SS24AF = 1310/1550SMF + 1625SMF, 32/30/28dB
- FF600 - SS24CF = 1310/1550SMF + 1625SMF, 38/36/34dB
- FF600 - MS8035AA = 850MMF + 1310/1550SMF, 22/30/28dB
- FF600 - MS8330AA = 850/1300MMF + 1310SMF, 20/18/30dB
- FF600 - MS8035BA = 850MMF + 1310/1550SMF, 25/30/28dB
- FF600 - MS8330BA = 850/1300MMF + 1310/1550SMF, 23/21/30dB
- FF600 - MS8335AA = 850/1300MMF + 1310/1550SMF, 20/18/28dB

Technical Specifications

Wavelength (nm)	850/1300	1310/1550	1310/1490/1550	1625
Dynamic range (dB)[2]	21/19	32/30 38/36 42/40	32/30/30	34[4] 36[5]
Pulse Width (ns)	5,20,40,80,160,320,640,1280	5,10,20,40,80,160,320,640,1280,2560,5120,10240,20480		
Event blind zone (m)[3]	$\leq$ 1.8			
Attenuation blind zone (m)[3]	$\leq$ 10			
Display	5.6" LCD touch screen			
Linearity (dB/dB)	$\pm$ 0.05			
Loss threshold (dB)	0.05			
Loss resolution ratio (dB)	0.001			
Sampling resolution ratio (dB)	0.125 to 8			
Sampling point	32K			
Distance uncertainty (m)	$\pm$ (1m + 5 x 10^{-5} x 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; 5 sec, 10 sec, 15 sec, 30 sec, 1 min, 2 min, and 3 min are selectable			

Product Recommendation:

Optical Cable Identifier

FTTH ONT Finder

Optical Cable Fault Tracker (OCFT)

Note:

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 fibre 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 in filter.
5. Dynamic range measured when there is no filter.

More powerful performance, much easier operation, more efficient work.

To meet the needs on the wide range of measurement by FTTx, Metropolitan Area Network, Backbone Network and other optical networks.
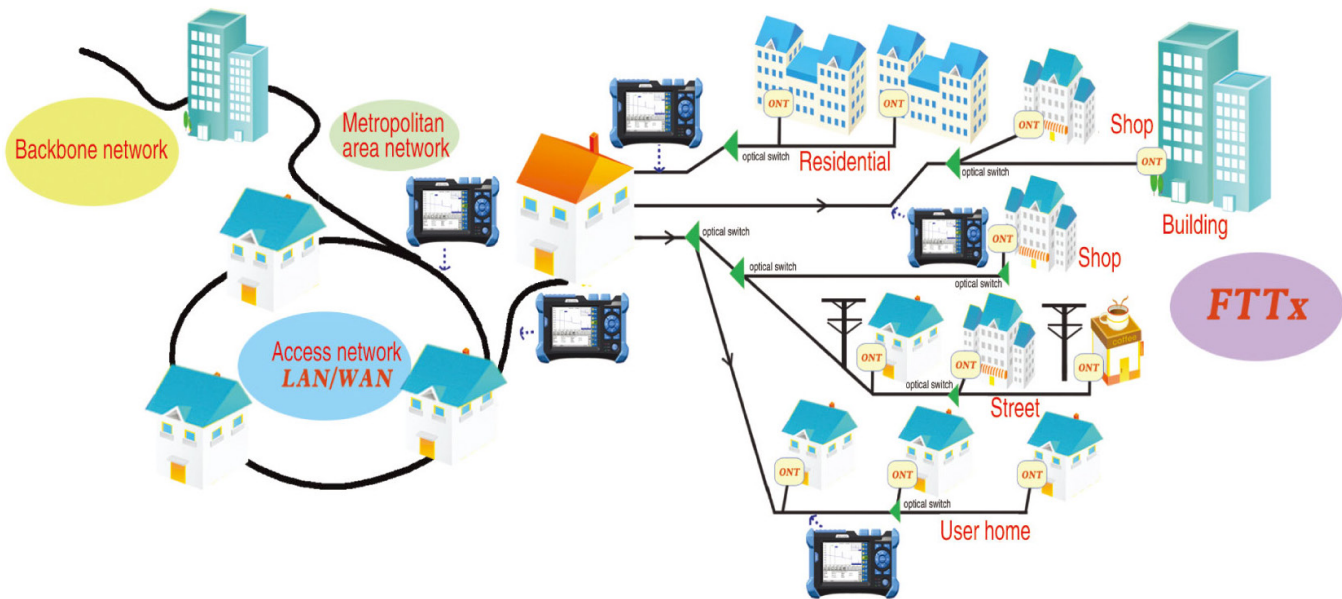
1. Optical Interface 1/VFL
2. Optical Interface 2/OTDR
3. Charging Indicator
4. SD card interface
5. Power Adapter Interface
6. Earphone Interface
7. USB Interface
8. Ethernet Interface