

# HANDHELD SERIES OTDR PRODUCT

Handheld Series OTDR



## HANDHELD SERIES

TT-FOCOMM-TR600 Series OTDR developed by FOCOMM, which meet the needs on the wide range of measurement by FTTx, Metropolitan Area Network, Backbone Network and other optical networks.

## GENERAL SPECIFICATION

Dimension (H×W×D)	150×235×66
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
Warranty period	12 months



## 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

## TECHNICAL SPECIFICATIONS

Wavelength (nm)	850/1300	1310/1550	1310/1490/1550	1625
Dynamic range (dB) <sup>2</sup>	23/21	32/30 38/36	32/30/30	34 <sup>4</sup> 36 <sup>5</sup>
Pulse width (ns)	5、20、40、80、160、320、640、1280	5、20、40、80、160、320、640、1280、2560、5120、10240、20480		
Event blind zone (m) <sup>3</sup>	3m		3m	
Attenuation blind zone (m) <sup>3</sup>	13m		13m	
Linearity (dB/dB)		±0.05 dB/ dB		
Loss threshold (dB)		0.05		
Loss resolution ratio (dB)		0.01		
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		

## 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 < -35dB. Measured by the minimum pulse width.
4. Dynamic range measured when there is filter.
5. Dynamic range measured when there is no filter.

## ORDER INFORMATION

PRODUCT	PART NUMBER
Handheld Series OTDR	TT-OTDR-TR600

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