



FCA-20 5G Fronthaul Analyzer

- Applicable to the opening and maintenance test of 5G front-haul/CWDM transmission system
- Supporting 1271~1611nm 18 channel optical power test
- Ultra short deadzone to accurately locate the optical fiber link faults from DU to WDM, WDM to WDM, and WDM to AAU
- Serial connection test by dual optical port, which does not affect the online service
- Bluetooth function, supporting on-site test cloud docking

Items	Specifications
CWDM Optical Power Meter	
Detector Type	InGaAs
Fiber Type	SM fiber
Calibrated Wavelength	1271~1611nm
Test Range	-40~+10dBm
Number Of Channels	18
Channel Spacing	20nm
Accuracy	±1dB
Display Resolution	0.01dB
Isolation	>25dB
Threshold Setting	10 groups
Insertion Loss	<1.5dB
Data Storage	500 groups
OTDR	
Fiber Type	SMF (ITU-T G.652)
Wavelength	1650nm±5nm
Dynamic Range	24dB
Distance Range	1km, 2km, 5km, 10km, 20km, 40km, 80km
Pulse Width	3ns/5ns/10ns/30ns/50ns/100ns/275ns/500ns/1us/10us/20us
Dead-zone	Event dead-zone≤1m; Attenuation dead-zone≤4m
IOR Setting	1.30000~1.70000
Sampling Points	64000
Sampling Resolution	0.05m (1km)
Distance Accuracy	±(1m+Test distance×3×10 ⁻⁵ +Sampling resolution)(excluding IOR uncertainty)
Loss Accuracy	0.1dB
Linearity	0.1dB
Reflectance Accuracy	±2dB

Let's go in the grandway!



Stable Laser Source	
Wavelength	1650nm±5nm
Output Power	>-12dBm
Working Mode	CW/270Hz/1kHz/2kHz
VFL	
Wavelength	650±10nm
Output Power	10mW
Working Mode	CW/1Hz/2Hz
Others	
Interface	Optical port: FC/UPC×2
	Charging port: USB Type-C
	Wireless interface: Bluetooth
Data Storage	Pluggable micro SD card
Battery	≥6700mAh, Battery life in standby mode > 48 hours
Working Temp	-10℃~+60℃
Humidity	0~90% (Non condensing)
Dimension	195L×141W×44H (mm)
Weight	0.8kg

WDM to WDM:

trunk line series connection test 18 channels optical power and OTDR fiber link analysis

AAU-WDM,DU-WDM:

branch line series connection test single channel optical power and OTDR fiber link

