

Optical Line Total Solution for Your Business



Features

- Mobile App with GUI function
- Measurement modules (able to be separated)
- Chargeable battery
- Portable, small, light-weight design

Product Name

- Platform (GP-1000)
- OTDR Module for SM (GOM20-1310/1550/1625/1650)
- OTDR Module for MM (GOM20-850/1300)

Application Area

- Wireless Access Network (Repeater, 4G LTE, etc.)
- Wired Access Network (PON, FTTH, etc.)
- Optical Cable Network (CATV, CCTV, etc.)
- Optical line characteristics and distance measurement

OFIX is an innovative optical measurement handheld device brand developed by GCI Inc. that includes an modularized OTDR (Optical Time Domain Reflectometer) measurement function, that can be separated as module.

OFIX is specialized in maintenance of short-term optical path of 30Km or less, and it is able to measure the position of anomalous point at a high speed by one scan, good for quick recovery.

OFIX is attracting attention as a necessary equipment in the construction and operation of optical line and system in a communication service environment.

General Specifications

Parameters	Values	Etc.
OFIX Main Platform (GP-1000)		
Display	2.75" Custom LCD	
Battery	7.4V Lithium-Polymer (with CE, EN certification) Continuously test: 8 hours Charging time: 4 hours	
Data Storage	Up to smartphone	
Interface	TBD	
Working Temp	- 10°C~+ 50 °C	
Storage Temp	- 20°C~+70 °C	
Humidity	≤ 95% (non-condensation)	
Dimension	188(L) x 102(W) x 37(D) mm	
Weight	0.55 kg	



GP-1000
(frontside)



GP-1000
(backside)
(with OTDR Module)

General Specifications

Parameters	Values	Etc.
OTDR Module (GOM20-xxxx)		
Emitter Type	LD	
Safety Class	Class 1M	
Optical Wavelengths	SM 1310/1550/1625/1650 MM 850/1300	nm
Wavelength Tolerance	3	%
Dynamic Range (SNR = 1)	SM 32/30/30/28 MM 24/26	dB
Event Dead Zone	1.2	m
Attenuation Dead Zone	4	m
Pulse Width	5/10/20/50/100/200/500/1000/2000/5000/10000	ns
Range Settings	0.5 ~ 50	km
Sampling Points	20,000 (up to 65,000)	points
Minimum Data Point Spacing	0.5	m
Distance Accuracy	±0.5	m
Loss Resolution	0.001	dB
Optical Connector	SC/APC, SC/PC	
Trace File Format	Telcordia Universal (.SOR), issue-2 (SR-4731)	
Trace File Storage	Smartphone	
Trace File Transfer to PC	USB cable	
Dimension	160(L) x 84(W) x 17(D) mm	



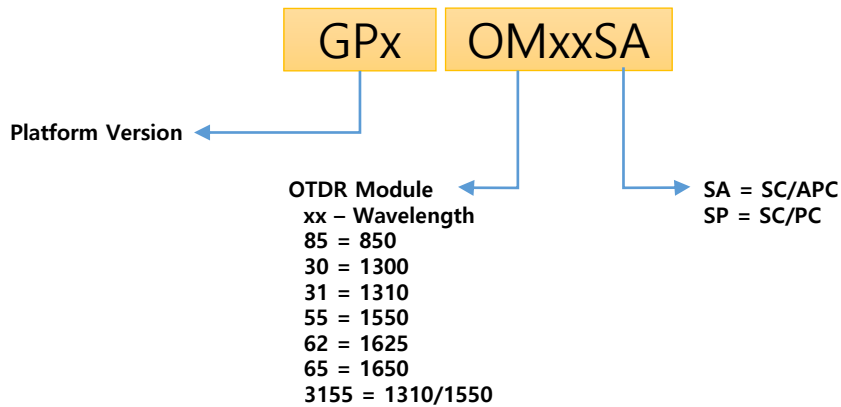
GOM20-xxxx
(frontside)

Models

Model	Function	Fiber Mode	Wavelength (nm)	Etc.
GOM20-1310	OTDR	Single Mode	1310	1 wavelength
GOM20-1550	OTDR	Single Mode	1550	1 wavelength
GOM20-1625	OTDR	Single Mode	1625	1 wavelength
GOM20-1650	OTDR	Single Mode	1650	1 wavelength
GOM20-3155	OTDR	Single Mode	1310/1550	2 wavelength
GOM20-850	OTDR	Multi Mode	850	1 wavelength
GOM20-1300	OTDR	Multi Mode	1300	1 wavelength

Ordering Information

Model	Wavelength	Fiber Type	Dynamic Range*	Dead Zone**	Powermeter
GOM20-01	1310	SMF			
GOM20-02	1550				
GOM20-03	1310/1550				
GOM20-04	1625				
GOM20-05	1650				
GOM20-06	850	MMF			
GOM20-07	1300				



Accessories

Description	No.	Etc.
Adaptor (AC-DC converter)	1	
Carrying bag	1	
User Manual	1	
Mobile App. (Download from Android 『Play Store』)	1	
*Rubber Case (available for purchase separately)	1	