

FIBER OPTIC INSTRUMENTS

# Mini OTDR Touchscreen

## Description



ORCA® Mini OTRD 5" color touch screen, 12 in 1 smart mini multifunction.

Automatic OTDR: one click test without complex settings

Expert OTDR: professional measurement, curve, list and map are displayed at the same time

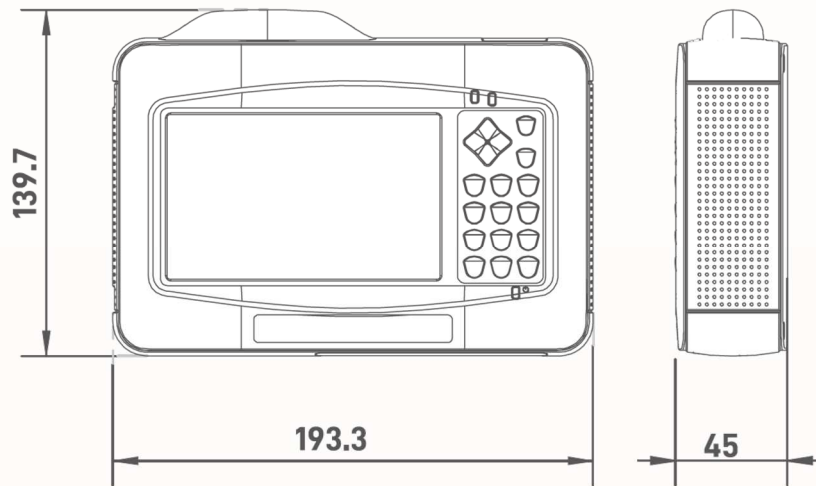
FLM (fiber link map). more intuitive and intelligent optical fiber link test

### Cable Construction

Fiber Type	SMF - 1310/1550 ± 20nm - 26/24dB	
Distance Range	500m. 1km. 2km. 5km. 10km. 20km. 40km. 80km. 100km	
Pulse Width	3ns/5ns/10ns/30ns/50ns/100ns/275ns/500ns/1us/2us/5us/10us/20us	
Event Dead-zoned (1)	≤ 2,5m	
Attenuation Dead-zone (1)	≤ 8m	
IOR Setting	1.00000~2.00000	
Sampling Points and resolution	16k ~ 128k / 0,05m ~ 8m	
Distance Accuracy	(1m + Test distance x 5 x 10 <sup>-5</sup> + Sampling resolution) (excluding IOR uncertainty)	
Loss resolution	0,001 dB	
Loss Threshold	0,20 dB	
Distance resolution	0,001 m	
Reflectance Accuracy	±3 dB	
File Format	SOR standard open file format	
Refresh rate	3 Hz - typical	
Loss test Mode	4 point / 5 point method	
Laser Safety Level	Class II	
VFL	Working wavelength:	650±20nm
	Output power:	10mW, CW/1Hx/2Hz
OLS	Working wavelength:	Consistent with OTDR, 1310 / 1550
	Laser Type:	FP-LD
	Output power:	≥-5dBm, CW/270/330Hz/1kHz/2kHz
	Stability:	CW, 10,5dB/15 min (after 15 min of preheating)
OPM	Working wavelength:	800 ~ 1700 nm
	Calibrated wavelength:	850/980/1300/1310/1490/1550/1625/1650 nm
	Wavelength recognition:	supported
	Test range:	-70 ~ +10 dBm / -50 ~ +26 dBm
	Accuracy:	± 5%
	Frequency identification:	CW/270/330Hz/1kHz/2kHz (use inner LS)
Optical Loss test	Working wavelength:	Consistent with LS
	IL test:	support
Optical Interface	OTDR: FC/UPC or SC/UPC	OLS: FC/SC/ST interchangeable
	VFL: FC/SC/ST interchangeable	OPM: 2,5mm FC/SC/ST universal port
RJ45 Test	RJ45 line sequence test according to TIA568-A or TIA568-B standard	
	Working mode in digital tracking @distance ≤300m	

(1) Deadzone test conditions: event deadzone return loss > -45dB. attenuation deadzone return loss > -55dB.

Specifications subject to change without prior notice - For more details please visit [www.orca.it](http://www.orca.it)



Display	5 inches color touch screen
Available Lanaguages	English. Spanish. Russian, French. Portuguese. Arabic (please, contact sales for other languages)
Data Storage	Internal 8GB TF card
Electrical Interface	USB Type-C data port
Working / Storage Temp / Humidity	-10°C ~ +55°C / -40°C ~ +70°C / 0 ~ 95% (non condensing)
Mobile phone APP / Wireless	Android system by Bluetooth connection
Battery	3300 mAh lithium battery
Dimension / Weight	194L x 139W x 45H mm / 0,90kg

#### Ordering Information code:

OC-FTL-OTDR-P	MINI OTDR color touch screen, 1310/1550 26/24dB 500m-100Km, multifunction with VFL-OLS-OPM, RJ45 Interface.
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