

Palm OTDR



Model No:RS810

Mainly features:

- handheld,lightweight and convenience for carrying
- The most advanced technology of double-color & material integrative mould in trade
- Advanced anti-reflective TFT LCD,visible clearly in field
- 1.6m extra-short event dead zone
- Communication light check automatically
- 0.25m high resolution,65534 sampling points
- Fast auto measurement,one-button operating
- Double USB interfaces, supporting USB stick and directcable download to PC via ActiveSync
- Supporting Bellcore GR196 file format in writing or reading
- Function of intelligent indicating of remaining capacity of battery and warning if the voltage of battery is low.
- WinCE operation system, double operating interface of Chinese and English
- Built-in lithium battery with high capacity for over 10 hours of operating life
- Visible fault locating (VFL)
- Universal FC/PC,FC/SC,FC/ST connector type, it's convenient for surface cleaning
- Unique function of updating system on-line, returning to factory is unnecessary

Specifications

Main Specifications	
Main OTDR Modules	2101
Center wavelength	1310nm/1550nm±20nm
Type of optical fiber	SMF
Dynamic Range ¹	28 / 26dB
Distance Measurement Accuracy	±(1m + sample space + measurement distance×0.003%)
Event Dead Zone ²	≤1.6m
Sampling Resolution	0.25 , 0.5 , 1 , 2 , 4 , 8 , 16m
Distance Range	0.5, 1, 2, 4, 8, 16, 32, 64, 128, 256km
Pulse width	10 , 30 , 80 , 160 , 320 , 640 , 1280 , 5120 , 10240ns
Loss threshold	0.01dB
Sampling points	65534
Linearity	0.05dB/dB
Memory capacity	800 traces
Group refractive index setting	1.00000 - 2.00000 (0.00001 steps)
Display	Color LCD(touch screen)
Interface	USB,Min-USB
Optical Connector	FC/UPC (universal connector)
VFL	650nm ± 10nm,2mW(typical);CW/1Hz
Language	User selectable : simplified Chinese, English, Russian, Korean etc..
Power Supply	DC:15V to 20V(3A),(AC adapter 100~240V, 50/60Hz,1.5A), Built-in Lithium battery:4400mAh,7.4V,operating time≥10 hours ³
Dimensions	210×100×60(mm)
Weight	1 kg Approx.

Note1:pulse width 10240ns, average times \geq 300,SNR=1,23 $^{\circ}$ C \pm 2 $^{\circ}$ C;

Note2:dead zone mode, distance range : \leq 4km, pulse width:10 ns, terminal reflection

loss: \geq 40 dB, typical;

Note3:low brightness, exclude measuring.

Ordering information:

RS810 – (1)(2)-(3)(4)-(5)-(6)

(1)(2):

11 - single wavelength for SMF

21- double wavelength for SMF

31 - triple wavelength for SMF

(5):

V: VFL module

(6): Optical connector type

A-FC/APC

U-FC/UPC

(3)(4):

OTDR module series number

Example: RS810-2101-V-U

Standard accessories

NO.	Name	quantity
1	Power line	1
2	AC/DC adapter	1
3	Quality certification	1
4	User manual	1
5	Trace analyzing software(CD)	1
6	Hard Carrying case(Including gallas)	1
7	Special gallas of instrument	1

Note: the standard OTDR interface type is FC/UPC,type of FC/APC is optional.