



Smartcore High Precision T-Series OTDR

Smartcore T series tester is a comprehensive optical fiber measuring instrument developed by SMARTCORE Communication Technology Co., Ltd. to solve the measurement of various parameters of optical fiber. It mainly USES OTDR function and has other common measuring functions. Really reflected: ONE MACHINE, TESTING ALL!

Main parameter characteristics

- ◆ Touch-sensitive and solid physical button work together for perfect user experience
- ◆ Excellent for short-range measurement, Dead zone: 0.8m/4m
- ◆ Maximum sampling resolution: 5cm
- ◆ Support multiple analysis functions on testing results: Segment return loss, Event point return loss, Multi curves comparison, quick screen shots.
- ◆ Complete user data interface: USB (Type A) 、MINI USB、SD card

Model Specification.

Smartcore T-A28	1310/1550	28/26	0.8/4
Smartcore T-A32	1310/1550	32/30	0.8/4
Smartcore T-A35	1310/1550	35/33	0.8/4
Smartcore T-A37	1310/1550	37/35	0.8/4
Smartcore T-A40	1310/1550	40/38	0.8/4
Smartcore T-A42	1310/1550	42/40	0.8/4
Smartcore T-B26	1625	26	0.8/4
Smartcore T-B32	1625	32	0.8/4
Smartcore T-C26	1650	26	0.8/4
Smartcore T-C32	1650	32	0.8/4
Smartcore T-AB35	1310/1550/1625	35/33/32	0.8/4
Smartcore T-AC35	1310/1550/1650	35/33/32	0.8/4
Smartcore T-M26	850/1300	22/26	2/5
Smartcore T-SM28	1310/1550/850/1300	28/26/22/26	SM: 0.8/4 MM: 2/5
Smartcore T-SM35	1310/1550/850/1300	35/32/22/26	SM: 0.8/4 MM: 2/5

Parameter

Pulse Width	SM	3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1 μ s, 2 μ s, 5 μ s, 10 μ s, 20 μ s
	MM	850mm: 3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1 μ s 1300mm: 3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1 μ s, 2 μ s
Test Range	SM	100m、500m、2km、5km、10km、20km、40km、80km、120km、160km、240km
	MM	850mm: 500m, 2km, 5km, 10km 1300mm: 500m, 2km, 5km, 10km, 20km, 40km, 80km
Minimum sampling resolution		0.05m
Maximum sampling point		256,000
linearity		≤ 0.05 dB/dB
Loss resolution		0.001dB
Distance resolution		0.01m

Distance accuracy	$\pm(1m+Range \times 3 \times 10^{-5} + \text{Sampling resolution})$ (Regardless of the refractive index)
Result Storage	>16G SD card(Maximum support 128G), Store more than 100000 pieces of data
Complete user data interface	USB(Type A)、MINI USB、SD card
Monitor	5.6 "TFT LCD 640 * 480
Battery	7.4V/2500mAh X 2 lithium battery(Aviation certification)
Working temperature	Working temperature: -10°C~+50°C ; Storage temperature: -20°C~+70°C
Relative humidity	≤95%(No condensation)
Size and weight	215×155×68mm/1.1kg(Including 2 batteries)
VFL	10KMS, 10mW, CW/2Hz
OPM	Option A: -10dBm~-70dBm; Option B: +23dBm~-50dBm
Laser source	Output: -5dBm±2dB, Frequency: CW/270Hz/1KHz/2KHz

