

## Product Description

T-OT750 series tester is a comprehensive optical fiber measuring instrument, 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.

| Model No.      | Wave Length(nm)    | Dynamic Range(dB) | Deadzone (M)      |
|----------------|--------------------|-------------------|-------------------|
| T-OT750-S-A28  | 1310/1550          | 28/26             | 0.8/4             |
| T-OT750-S-A32  | 1310/1550          | 32/30             | 0.8/4             |
| T-OT750S-A35   | 1310/1550          | 35/33             | 0.8/4             |
| T-OT750-S-A37  | 1310/1550          | 37/35             | 0.8/4             |
| T-OT750-S-B26  | 1625               | 26                | 0.8/4             |
| T-OT750-S-B32  | 1625               | 32                | 0.8/4             |
| T-OT750-S-C26  | 1650               | 26                | 0.8/4             |
| T-OT750-S-C32  | 1650               | 32                | 0.8/4             |
| T-OT750-S-AB35 | 1310/1550/1625     | 35/33/32          | 0.8/4             |
| T-OT750-S-AB42 | 1310/1550/1625     | 42/40/38          | 0.8/4             |
| T-OT750-S-AC35 | 1310/1550/1650     | 35/33/32          | 0.8/4             |
| T-OT750-M26    | 850/1300           | 22/26             | 2/5               |
| T-OT750-SM28   | 1310/1550/850/1300 | 28/26/22/26       | SM: 0.8/4 MM: 2/5 |
| T-OT750-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, 1μs, 2μs, 5μs, 10μs, 20μs   |
|                        | MM       | 850mm: 3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1us<br>1300mm: 3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1us, 2us |
| Test Range             | SM       | 100m、500m、2km、5km、10km、20km、40km、80km、120km、160km、240km  |
|                        | MM       | 850mm: 500m, 2km, 5km, 10km<br>1300mm: 500m, 2km, 5km, 10km, 20km, 40km, 80km  |
| Minimum resolution     | sampling | 0.05m  |
| Maximum sampling point |          | 256,000  |

|                              |   |
|------------------------------|---|
| linearity                    | $\leq 0.05\text{dB/dB}$   |
| Loss resolution              | 0.001dB   |
| Distance resolution          | 0.01m   |
| Distance accuracy            | $\pm(1\text{m} + \text{Range} \times 3 \times 10^{-5} \times \text{Sampling resolution})$ (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: $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$ ; Storage temperature: $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$ |
| Relative humidity            | $\leq 95\%$ (No condensation)   |
| Size and weight              | 215 $\times$ 155 $\times$ 68mm/1.1kg(Including 2 batteries)   |
| VFL                          | 10KMS, 10mW, CW/2Hz   |
| OPM                          | Option A: $-10\text{dBm} \sim -70\text{dBm}$ ; Option B: $+23\text{dBm} \sim -50\text{dBm}$   |
| Laser source                 | Output: $-5\text{dBm} \pm 2\text{dB}$ , Frequency: CW/270Hz/1KHz/2KHz   |
| GPS/GNSS                     | Customized  |
| WIFI/Bluetooth               | Customized  |