

# Specifications

OTDR Specifications		
Model	K350-S	K350-P
Wavelength (nm)	SM 1310/1550	PON 1310/1550/1625 (built-in filter)
Dynamic range (dB)	32/30	32/30/28
Number of optical port	1	2
Applicable fiber	SM (ITU-T G.652)	
Distance range (km)	0.5,1,2,5,10,20,35,50,75,100,150,200	
Pulse width (ns)	5,10,20,50,100,200,500,1000,2000,10000,20000	
Event dead zone*1 (m)	1	
Attenuation dead zone*2 (m)	3.5	
Number of sampling points	Max.80000	
Sampling resolution	Min. 0.04m	
Distance measurement accuracy	$\pm(0.75 \text{ m} + \text{Measurement distance} \times 2 \times 10^{-5} + \text{Sampling resolution})$	
Loss measurement accuracy	$\pm 0.03 \text{ dB}$	
Return loss measurement accuracy	$\pm 2 \text{ dB}$	
<b>Optical Power Meter Module (Built-in)</b>		
	Available	Non
OPM	Wavelength setting	800 ~ 1650nm
	Power range	-70 ~ +6dBm
	Measure accuracy	< ( $\pm 0.2 \text{ dB}$ or $\pm 5\%$ )
	Display resolution	0.01dB
	Optical input port	SC/UPC + 2.5mm Universal Ferrule
<b>Stabilized Light Source Module (Built-in)</b>		
	Available	Available
SLS	Wavelength (nm)	1310/1550
	Output power	$\geq -10 \text{ dBm}$
	Modulation mode	CW, 270 Hz, 1 kHz, 2 kHz
	Laser class	Class 1M or Class 1
	Optical input port	OTDR port
<b>Visual Fault Locator Module (Built-in)</b>		
	Available	Available
VFL	Wavelength (nm)	650
	Output power	10mW
	Modulation mode	CW, CHOP (Approx. 2 Hz)
	Laser class	Class 3R
	Optical input port	2.5 mm Universal ferrule type
<b>Fiber Inspection Probe (Built-in)</b>		
	Available	Available
FIP	Magnification	250X
	Resolution(um)	$\geq 1.0$
	Electrical interface	USB2.0
	Optical Connector	FC/UPC,SC/UPC,ST/UPC
	Sensor	1/3 inch
<b>RJ45 Networks Test (Built-in)</b>		
	Available	Available
RJ45	Wavelength (nm)	CAT5, CAT6
	Distance of Cable Collationl	300m
	Distance of emitting signal	300m
<b>General Specifications</b>		
Link Map	Available	
Pass/Fail judgment	Available	
Distance unit	m, km, mile, ft, kft	
PC Analysis Software	Available	
Languages	English, Español, Chinese, Português, Français, Русский	
Optical connector	SC/UPC (FC/UPC,ST/UPC,LC/UP is Optional)	
Display	3.5-inch color TFT LCD (Resolution: 640 × 480)	
Electrical interface	Charge port × 1, USB 2.0 × 3, RJ45 × 2	
Operating temperature	-10 ~ 50 °C (0 ~ 40 °C when AC adapter is being used. 0 to 35 °C when battery is be charged)	
Storage temperature	-20 to 60 °C	
Altitude	4000 m	
Humidity	0 to 90% RH (20 to 90% with 739874 AC adapter, non-condensing)	
Power requirements	100 to 240VAC, 50/60Hz (AC adapter)	
Battery	3000mAh	
LED Light illumination	$\geq 15000 \text{ mcd}$	
Operating time*3	5 hours	
Data storage	Internal storage: $\geq 1000$ waveforms, External storage: USB memory	
Dimensions	Approx. 118 mm (W) × 218 mm (H) × 55 mm (D)	
Weight	Approx. 0.73 kg (including internal battery and protectors, excluding OTDR unit and options)	

Notes:

1. Minimum pulse width, return loss:  $\geq 55 \text{ dB}$  ( $\geq 40 \text{ dB}$  for 850/1300 nm), group refractive index: 1.5, at 1.5 dB below the unsaturated peak level.

2. Minimum pulse width, group refractive Index: 1.5, at a point where the backscatter level is within  $\pm 0.5 \text{ dB}$  of the normal level. For SMF, at 1310nm, return loss:  $\geq 55 \text{ dB}$ .

3. New Battery

All specifications valid at  $23^\circ\text{C} \pm 2^\circ\text{C}$  ( $73.4^\circ\text{F} \pm 3.6^\circ\text{F}$ ) unless otherwise specified.