YAMASAKI Y42

850/1300nm MM & 1310/1550nm SM

Optical Time Domain Reflectometer

Work Smarter - Not Harder

YAMASAKI
Optical Technology

YAMASAKI Y42

THE NEW Y43 OTDR

Introducing the new Y42 OTDR, the ultimate fiber optic testing and analysis tool for fiber optic technicianss. With integrated OTDR, VFL, OPM, LS, event map, fiber-end inspection, insertion loss test, and remote test capabilities, this product offers a comprehensive solution for fiber optic testing needs. The intelligent software analysis with multi-wavelength operation ensures accurate and reliable results, and online remote test and mobile app wireless operation provide unparalleled flexibility and convenience. The fast charging and power bank function, full touchscreen control, GUI interface, and pull-down manual control make it easy to use, even for those new to fiber optic testing. Invest in the Yamasaki Y42 for high-quality, reliable fiber optic testing and analysis tools that meet all your needs.

Flexibility & Scaleability

The Yamasaki Y42 OTDR utilizes 850/1300nm or 1310/1550nm wavelengths with varying dynamic ranges depending on what model you select. The Yamasaki Y42, Y42-m, Y42-h and Y42-p offer a simple solution when testing either Multimode or Singlemode installations. It also includes multiple connection points for; LC, FC, SC and ST conncectors.

Easy to Use

The Yamasaki Y42 OTDR utilizes a color touch screen for the functionality of the OTDR. The Yamasaki OTDR comes with a large screen for clear results and you can simply enable the automatic mode and you are up and testing. If you wish to have more control over the individual parameters then the Yamasaki Y42 OTDR allows the user to operate in manual mode as well. You decide the level of sophistication required.

Pass/Fail Results

Using the Pass/Fail parameters, users can easily identify, locate and characterize connectors, average loss, total link loss, splices, splitters, macro bends and fiber ends.

Shorter Deadzone & Attenuation Zone

The Yamasaki Y42 OTDR has a dead zone of 0.5-0.8m and attenuation zone of 3.5-4m, depending on the model chosen. This allows for easier fault identification as they become visible within the link.

Downloadable Results

The Y42 OTDR allows for easy transfer of traces to your PC, either using a USB cable or wirelessly, and provides a supplied software for analyzing the traces, enabling professionals to easily and efficiently analyze and interpret their fiber optic test results.

Battery Power

The user is able to see how much power percentage is left as well as the number of splice cycles that remain on your devices screen or you can simply push a button on the battery pack to see how much power is left.
Battery can last for up to 250 Heat/Splice cycles per charge

Other Functions

The Y42 OTDR offers a range of convenient functions, including remote control through a mobile phone app for controlling the operation of the OTDR, light source, optical power meter, and VFL. Additionally, the OTDR comes equipped with a fiber inspection probe, providing professionals with a comprehensive fiber optic testing solution.

Protection

With its shock-resistant, water-resistant, drop-resistant, and dust-resistant design, the Y42 OTDR is built to withstand even the toughest environments. No matter where your fiber optic testing takes you, the Y42 OTDR can handle it all. Invest in the Y42 OTDR for a durable, reliable, and long-lasting fiber optic testing solution.

Technical Specifications				
	Y42	Y42-h	Y42-p	Y42-m
Wavelength	1310/1550nm	1310/1550nm	1310/1550nm	850/1300nm
Dynamic Range	32/30dB	42/40dB	45/43dB	26/28dB
Event Dead Zone	0.8m	0.5m	0.5m	0.5m
Attenuation Dead Zone	4m	3.5m	3.5m	3.5m
Sampling Resolution	±(0.75m + sample interval + 0.0025% x test distance)			
Test Range	100m/ 500m/ 1.25km/2.5km/5km/10km/20km/40km/80km/125km/260km/420km			
Testing PW	3, 5, 10, 20, 30,50, 80, 100, 200, 300, 500, 800ns, 1us. 2us, 3us, 5us, 8us, 10us, 20us			
Max.Sampling Points	≥256k			
Reflection Accuracy	±2db			
Loss Measurement Mode	4-point method			
Range Unit	km, m, thousand feet, feet			
Display	7 inch color LCD + touch screen resolution 800 x 480			
Optical Output Interface	FC/UPC + LC/UPC + SC/UPC (ST/UPC optional)			
Interface Language	English, French, Portuguese and Spanish			
External Interface	USB-A, Type-C port, RJ45 LAN 10/100Mbit/s			
Power Supply	AC/DC adapter: AC100V~240V, 50/60Hz Output 5V/3A 9V/2A 12V/1.5A Internal Li Battery: 3.7V, 10400mAh			
Built - In Power Meter	-50~+26dBm-Calibration Wavelength 850/1300/1310/1490/1550/1625/1650nm			
Built- In Laser Source	CW/270Hz/1kHz/2kHz- Wavelength consistent with OTDR output wavelength			
Built - In Visual Fault Locator	650nm/10mW			
Fiber Inspection Probe	200X Magnification-USB Output-Manual Focus-3W- 4x Tips provided			
Weight/Dimensions	About 1.2kg / 162mm (H) x 220mm (W) x 52mm (D)			
Environmental Adaptability	Operating Temperature: -10C~+50C Storage Temperature: -40C~+70C RH: 0%~95%, no condensation			

Ordering Code	Description
Y42	Yamasaki Singlemode OTDR - 1310/1550m, 32/30dB with OPM, LS, VFI and Fiber Inspection Probe
Y42-h	Yamasaki Singlemode OTDR - 1310/1550nm, 42/40dB with OPM, LS, VFI and Fiber Inspection Probe
Y42-p	Yamasaki Singlemode OTDR - 1310/1550nm, 45/43dB with OPM, LS, VFI and Fiber Inspection Probe
Y42-m	Yamasaki Multimode OTDR – 850/1300nm, 26/28dB with OPM, LS, VFI and Fiber Inspection Probe
LC-4	100 Metre SC-LC OM4 Multimode Erika Violet Simplex Launch Cable
LC-1	100 Metre SC-LC Singlemode Yellow Simplex Launch Cable

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More information and details visit
www.yamasakiot.com

Specifications and descriptions are
subject to change without prior notice.

To contact us, please email:
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