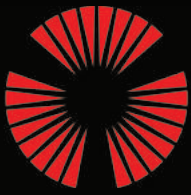


# Yamasaki Y30 Series

Optical Time Domain Reflectometer

Work Smarter – Not Harder  
Powerful and Easy to use.



**YAMASAKI**  
Optical Technology



## Flexibility & Scalability

The Yamasaki Y30 Series OTDR utilises varying wavelengths depending on which model you select. The Yamasaki Y32, Y33, Y33H and the Y34 all work at different wavelengths; 850/1300nm/1310nm/1625nm. It also includes multiple connection points for; LC, FC, SC and ST connectors.



LC



FC



SC



ST

## Easy to Use

The Yamasaki 30 Series OTDR can utilise the colour touch screen, keypad or both, all available within the functionality of the OTDR.

The Yamasaki Series OTDR comes with a larger screen for clearer results and 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 Y30 Series OTDR allows the user to operate in manual mode as well.

You decide the level of sophistication required.

## Protection

- Shock Resistant
- Water Resistant
- Drop Resistant
- Dust Resistant





### Shorter Deadzone & Attenuation Zone

The Yamasaki Y30 Series OTDR has a shorter dead zone of 0.5 and attenuation zone of 3.

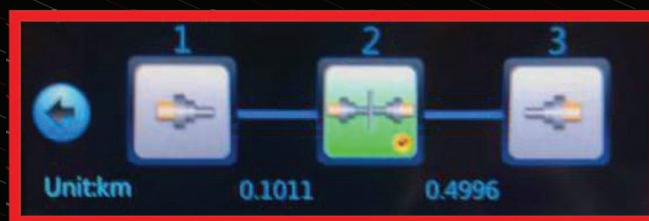
This allows for easier fault identification as they become visible within the link.

### Downloadable Results

Using the supplied USB or SD Card, the traces can be easily transferred to your PC and analysed using the supplied software.

### Pass/Fail Results

Using the new Pass/Fail option, users can easily identify, locate and characterise connectors, splices, splitters, macrobends and fibre ends.



### VFL Function

Operating Wavelength:	650nm±20nm;
Working Output Power;	2mW (typical);
Operating Mode;	CW, 1Hz and 2Hz



# YAMASAKI Y30 Series

Technical Specifications				
	Y32	Y33	Y33h	Y34
Wavelength	1310/1550nm	1310/1550/1625nm	1310/1550/1625nm	850/1300+1310/1550nm
Dynamic Range	32/30dB	32/30dB	42/40/40dB	24/28dB +32/30dB
Event Dead Zone	0.5			
Attenuation Dead Zone	3			
Ranging Accuracy	$\pm(0.75 + \text{sample interval} + 0.0025\% \times \text{range})$ (excluding the refractivity placement error) (m)			
Ranging Resolution	0.05, 0.1, 0.2, 0.5, 1, 2, 4, 8, 16 and 32m			
Test Range	0.4, 0.8, 1.6, 3.2, 6.4, 16, 64, 128, 160, 256 and 512km (mono-mode); 0.4, 0.8, 1.6, 3.2, 6.4, 16 and 32km (850nm multimode)			
Testing PW	3, 5, 10, 30, 80, 160, 320, 640, 1280, 5120, 10240 and 20480ns 3, 5, 10, 30, 80, 160, 320, 640 and 1280ns (850nm multimode)			
Max No. Of Sampling Points	256k			
Loss Resolution	0.001dB			
Refractivity Setting Range	1.00000 ~ 1.99999 (step: 0.00001)			
Range Unit	km, m, thousand feet, feet			
Display	800x480, 7-inch TFT colour LCD (adaptive touch screen in the standard configuration, and a resistive touch screen optional)			
Optical Output Interface	FC/UPC + LC/UPC + SC/UPC (ST/UPC optional)			
Interface Language	English			
External Interface	USB, Micro-USB, 10M/100M Ethernet, Earphone and Micro SD			
Power Supply	AC/DC adapter: AC100V~240V, 50/60Hz and 1.5A DC: 17V $\pm$ 3V (2A) Internal Li Batter: 11.1V, 6800mAh, Battery Operating time: 8hours			
Built - In Power Meter	-70~+10dBm			
Built - In Visual Fault Locator	650nm/10mW			
Weight/Dimensions	About 1.8kg / 52mm(W) x 180mm(H) x 55mm(D)			
Environmental Adaptability	Operating Temperature: -10C~+50C (Battery charging: 5C~40C) Storage Temperature: -40C~+70C (battery: -20C~60C) RH: 5%~95%, no condensation			

Ordering Code:	Wavelengths:
Y32	Yamasaki Singlemode OTDR - 1310/1550nm, 32/30dB with Integrated Visual Light Source
Y33	Yamasaki Singlemode FTTx OTDR - 1310/1550/1625nm - 32/30/28dB
Y33H	Yamasaki Singlemode FTTx OTDR - 1310/1550/1625nm - 42/40/40dB
Y34	Yamasaki Quad Wavelength Multimode/Singlemode OTDR - 850/1300+1310/1550nm - 24/28dB +32/30dB



**YAMASAKI**  
Optical Technology

More information and details visit  
[www.yamasakiot.com](http://www.yamasakiot.com)

Specifications and descriptions are  
subject to change without prior notice.

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