

# FTM-600 Optical Return Loss Tester

## Product Description

The Radiantech model FTM-600 is designed to measure Return Loss of single-mode fiber optical passive components such as attenuators, splitters, switches as well as optical components (fiber cable and patch cords etc). The FTM-600 is well suited to field test applications; it measures Return Loss of a DUT at 1310 nm and 1550 nm in seconds. Values of Return Loss as high as 60 dB can be measured with an accuracy of better than  $\pm 0.5\text{dB}$

## Optical Return Loss Tester

### FTM-600

#### Features

- Dual wavelength available
- Reliable, stable and easy to operate
- Stabilized laser light source mode
- Optical return loss measurement mode
- Optical power measurement mode
- Optical insertion loss measurement mode
- Fiber optic attenuation measurement mode



#### FTM 600 Return Loss Specifications

Model Item	FTM -610	FTM -620	FTM -630
Wavelength (nm)	1310 $\pm$ 15	1550 $\pm$ 15	1310 $\pm$ 15 1550 $\pm$ 15
Spectral Width (nm)		<5	
Measurement Range(dB)		65	
Maximum Optical Power Output With 9/125nm SM Fiber (dBm)	-3.0	-3.0	-3.0
Optical Power Stability (dB)	$\pm 0.01$ (1 hr) $\pm 0.05$ (8 hrs)	$\pm 0.01$ (1 hr) $\pm 0.05$ (8 hrs)	$\pm 0.01$ (1 hr) $\pm 0.05$ (8 hrs)
Temperature Stability (dB)	$\pm 0.2$	$\pm 0.2$	$\pm 0.2$
Resolution (dB)	0.01	0.01	0.01
Linearity (dB)			
-10 ~ -50 dB	$\pm 0.1$	$\pm 0.1$	$\pm 0.1$
-60 dB	$\pm 0.5$	$\pm 0.5$	$\pm 0.5$
-65 dB	$\pm 1.5$	$\pm 1.5$	$\pm 1.5$
Uncertainty (dB)			
0 ~ -50 dB	$\pm 0.5$	$\pm 0.5$	$\pm 0.5$
-60 dB	$\pm 1.0$	$\pm 1.0$	$\pm 1.0$
-65 dB	$\pm 2.0$	$\pm 2.0$	$\pm 2.0$