

# SAT-F5

## Optical Multimeter



SAT-F5 Optical Multimeter is handheld and intelligent multi-function measurement instrument. It provides light source of single/double/three-wavelength continuous light and all functions of SAT-4E series optical power meter. The wavelength of light source is including 650nm, 850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm. It is the best selection for major engineering test operators and technicians. It is applicable for field operation and high-precision measurement under laboratory.

### Key Features

- ◎ LCD display, pretty appearance, and handheld design
- ◎ Multi display unit: nW, uW, mW, dBm, dB
- ◎ Automatic multi wavelengths switching
- ◎ Automatic turn-off, off time setting range 5~60mins.
- ◎ Automatic zero clearing
- ◎ Automatic frequency identifying: 270Hz, 1kHz, 2kHz
- ◎ Data storage up to 1000 groups; enable data transfer to PC via RS232
- ◎ Self-calibration function
- ◎ Real-time data monitoring function via PC
- ◎ Low battery power alarming

*Handheld and  
intelligent  
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### Technical index

Model (*)	SAT-F5AX	SAT-F5BX
Wavelength	650/850/1300/1310/1550/1625/1490 nm(single/double/three wavelength)	
Measurement Range	-70~+10	-50~+26
Emitter Type	LD	
Output power	-6dBm (error: $\pm 0.2$ )	
Output stability	$\pm 0.03\text{dB}/15\text{min}$ ; $\pm 0.05\text{dB}/8\text{h}$	
Wavelength of optical power meter	850, 980, 1300, 1310, 1490, 1550, 1625 nm	
Measurement accuracy	$\pm 5\%$	
Resolution	0.01dB	
Frequency	270Hz, 1KHz, 2KHz	
Maximum output power	33dB (50mW)	
Power supply	2 $\times$ 1.2V nickel-hydrogen rechargeable batteries	
External dimensions	L $\times$ H $\times$ W: 140 $\times$ 72 $\times$ 38 mm	
Weight	0.25 kg	
Operating temperature	-10~+50 $^{\circ}\text{C}$	
Storage temperature	-40~+70 $^{\circ}\text{C}$	

\*Notes: X has modes as 01(1310), 02(1550), 03(1310/1550), 04(850), 05(1625), 06(1490), 07(850/1300), 08(850/1310/1550), 09(1310/1490/1550), 10(1310/1550/1625), 11(650)