

# OTS-20/30

## Multifunctional Optical Talk Set

- ◆ Full duplex multiparty call on single fiber
- ◆ Combines laser source and power meter
- ◆ High-quality voice signal
- ◆ Optional nondestructive Clip-on Coupler:
- ◆ Direct online communication
- ◆ Large internal memory: 4000 records
- ◆ PC software for data download and reporting
- ◆ 10 hours continuous operation/Auto off
- ◆ Handheld, damp-dust-shock proof
- ◆ CE FCC FDA certificates



OTS-20/30 Multifunction Optical Talk Set enables clear and long distance telephony on single optical fiber. Featuring integrated laser source and optical power meter for loss test, OTS-20/30 is a reliable toolset for tough environments.

### Specifications

Model	OTS-20		OTS-30	
	A	B	C	D
Display	LED		LCD	
<b>Talk Set Module</b>				
Wavelength (±20nm)	1310	1550	1310	1550
Dynamic Range	40dB		45dB	
Effective Range (Km)	110	160	130	180
Emitter Type	FP-LD			
Spectrum Width	≤5nm			
<b>Laser Source Module</b>				
Wavelength (±20nm)	1310	1550	1310	1550
Output Power (dBm)	≥-5		≥-1	
Modulation Frequencies	270, 1K, 2K Hz			
Stability	±0.05 dB/15min; ±0.15dB/8hr			

Power Meter Module		
Detector Type	NA	InGaAs
Measurement Range <sup>(1)</sup>		-70 ~ +10dBm
Calibrated Wavelength		850,1300,1310,1550nm
Accuracy		±0.25dB (5%) @25°C&-10dBm (±0.5dB@850nm)
Data Storage		4000 records
Connectivity		RS232
General Specifications		
Connector	FC (Interchangeable SC, ST)	
Power Supply	NiMH Battery (1600mA/h) / AC Adapter	
Battery Life	10 hrs continuous operation/16 hrs standby	
Operating Temp.	0°C to 50°C	
Storage Temp.	-20°C to 70°C	
Relative Humidity	0 to 95%(non-condensing)	
Weight	600g (1.3 lbs)	
Dimensions (H×W×T)	196×100×44mm (7.7×3.9×1.7 inch)	

**Note:** (1) For 850nm, the lower limit of measurement range is -60 dBm.

\* Specifications subject to change without notice

## Ordering Information

\* Optical Talk Set is purchased in pair. Two units are required for communication.

Standard Package Includes:

Instrument, NiMH battery, Headset, AC adapter, Rubber boot, Toolkit for soft bag, OTS data analysis software CD (for OTS-30), Data transfer cable (RS232, for OTS-30), Warranty card, CE /FCC certificate, Certificate of calibration, User manual.

## Optional Parts

Part Description	Part Number (P/N)	Part Description	Part Number (P/N)
3M Optical patch cord	AC-FJC-03-FC/FC	Fiber Connector Cleaner	AC-CLN-TAPE
50M Optical patch cord	AC-FJC-50-FC/FC	Connector Clean Stick	AC-CLN-STK
SC connector for LS	AC-CONN-SC-L	Ceramic core for LS	AC-FRL-C
ST connector for LS	AC-CONN-ST-L	Multi-Party Cable	AC-CABL-Multi
SC connector for PM	AC-CONN-SC-P-300	Compact carrying soft bag	AC-PB-20
ST connector for PM	AC-CONN-ST-P-300	Toolkit for luxury package	AC-PB-40

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