TEMPO COMMUNICATIONS

T5800 SERIES
STABILIZED LIGHT SOURCE

STABILIZED LIGHT SOURCE · SM & MM

The **T5800 Series** are stabilized light sources built for fiber technicians who need accurate, repeatable loss measurements in the field. Pair them with the **T5600 OPM** and the Field Capture app for complete, documented loss testing, singlemode, multimode, PON, and out-of-band live-fiber configurations across one matched instrument family.



CLASS 1
Class 1 laser/LED infrared device. Compliant with IEC 60825-2 and 21 CFR 1040.10.

APP-COMPATIBLE

Works with the T5600 OPM and Field Capture app for end-to-end documented loss testing.

STABLE

0.04 dB short-term stability for accurate, repeatable loss measurements.

ADAPTABLE

SM dual, MM dual, and SM triple-laser configs for FTTH, data center, and live fiber.

Features:

- Pairs with the **T5600 OPM** for loss testing with optional autotest
- Dual LED MM 850/1300 nm — data center & LAN **(T5825)**
- Triple laser SM 1310/1550/1625 nm, live-fiber, out-of-band **(T5835)**
- 270 Hz, 1 kHz and 2 kHz tone modulation
- USB-C for continuous field power — 2× AA cells standard
- Dual laser SM 1310/1550 nm — FTTH, OSP & enterprise **(T5820)**
- Triple laser SM 1310/1490/1550 nm, GPON/PON **(T5830)**
- Output power adjustable ±3 dB in 0.1 dB steps (laser models)
- Interchangeable SC, LC, ST, FC adapters available
- Multi-fiber ID up to 12 fibers

Download the Field Capture App

GET IT ON Google Play

Download on the App Store

FIELD CAPTURE

Specifications:

MODEL	T5820	T5825	T5830	T5835
Wavelengths (nm)	1310 / 1550	850 / 1300	1310 / 1490 / 1550	1310 / 1550 / 1625
Fiber Type	Singlemode	Multimode	Singlemode	
Emitter Type	FP Laser	LED	FP Laser	
Output Power[3] (dBm)	0 (SM)	-20 (62.5/125)	-3 (SM)	
Short-term Stability[1] (dB)	0.04	0.01	0.04	0.06
Spectral Width FWHM (nm)	3	N/A	3	
Reconnection Repeat. (dB)	0.1	0.05	0.1	
Output Power Adj.	0 to -3dB, 0.1dB steps	Fixed	0 to -3dB, 0.1dB steps	
Modulation	270 Hz, 1 kHz, 2 kHz (±2%) Multi-Fiber ID — up to 12 fibers			

[1] ORL < -25 dB.

[2] MM source @ 62.5/125 µm compliant with IEC 61280-4-1 (Ed.1.0), TIA/EIA 526-14A and TIA TSB-178.

[3] ±1 dB: Laser @ SMF, MM LED @ 62.5 µm, POF @ 1 mm; accuracy for output @ 200 µm PCF is ±2 dB.

General Specifications

PARAMETER	VALUE
Battery Life	Laser: 40 hours / LED: 35 hours in Autotest (typical)
Size	152 × 80 × 33 mm (6.0 × 3.1 × 1.3 in)
Weight	0.17 kg (0.37 lbs)
Operating / Storage Temp.	–15 to 55 °C / –25 to 70 °C
Relative Humidity	0 to 95% (non-condensing)
Ingress Protection	IP54 — dust-protected, splash-resistant
Connector Type	Interchangeable — ST, SC, FC (standard); LC, HFBR, SMA, others optional
Power Supply	2× AA alkaline cells or via USB-C. Selectable auto-off. Low-battery indicator.

Each source supplied with one Hybrid-SC/SC adaptor, quick reference guide, CC-1 carry case, and QA certificate. MM source @ 62.5/125 µm compliant with IEC 61280-4-1, TIA/EIA 526-14A and TIA TSB-178. Specifications subject to change without notice.

ORDERING INFORMATION:

PART NUMBER	DESCRIPTION
STABILIZED LIGHT SOURCES	
T5820	SLS 1310/1550 nm SM Dual Laser
T5825	SLS 850/1300 nm MM Dual LED
T5830	SLS 1310/1490/1550 nm SM Triple Laser
T5835	SLS 1310/1550/1625 nm SM Triple Laser
SLS ADAPTERS	
OPT051	SC/FC Hybrid Adapter
OPT046	SC/SC Hybrid Adapter
OPT040	SC/ST Hybrid Adapter
OPT085	SC/Universal 1.25 mm
OPT081	SC/Universal 2.5 mm
OPT076	SC/LC Hybrid Adapter
ACCESSORIES	
CC-1	Carry Case, Single Instrument
CC-2-3	Carry Case, Dual or Triple Instrument

PART NUMBER	OPM / SLS KIT
OPM / SLS KITS	
SM-DUAL-TEL	SM Dual Telco Kit — T5610, T5820
SM-1625-TEL	SM 1625 nm Telco Kit — T5610, T5835
SM-PON-TEL	SM PON Telco Kit — T5610, T5830
MM-DUAL-TEL	MM Dual Telco Kit — T5610, T5825
SM-DUAL-MSO	SM Dual MSO Kit — T5620, T5820
SM-PON-MSO	SM PON MSO Kit — T5620, T5830
SM-1625-MSO	SM 1625 nm MSO Kit — T5620, T5835
SMMMKIT-TEL	SM/MM Combo Telco Kit — T5610, T5820, T5825
SMMMKIT-MSO	SM/MM Combo MSO Kit — T5620, T5820, T5825

Kits pair a T5800 light source with one or two T5600 OPMs in a matched CC-2-3 carry case for loss testing.


OPT051


OPT046


OPT040


OPT085


OPT081


OPT076

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VEWANt
崴望有限公司
802626 高雄市苓雅區新光路38號5樓之1
電話：07-5368282 傳真：07-5368272

WEWANt Co., Ltd.
5F.-1, No.38, Xinguang Rd., Lingya Dist.,
Kaohsiung City 802, Taiwan (R.O.C.)
TEL: +886-7-5368282 FAX: +886-7-5368272