TEMPO COMMUNICATIONS

OPTICAL POWER METER

T5600 Series

INGAAS OPTICAL POWER METER · APP-CONNECTED



Documenting hundreds of FTTH drops by hand means hundreds of handwritten readings to reconcile against unit numbers the next morning, never quite sure a reading passed or a photo was sharp. The T5600 Series and the free Field Capture app end that: every reading logs itself over Bluetooth, stamped with GPS, organized by job and unit, and flagged pass or fail on the spot. The technician walks off the job with a clean CSV, no transcription, no photos to sort.

APP-CONNECTED

Bluetooth capture, GPSlogging, and one-tap CSV export through the Field Capture app.

PRECISE

InGaAs detector with ±0.09 dB calibration accuracy across thirteen wavelengths.

FIELD-READY

300-hour battery from 2× AA cells, 500-reading memory, USB-C backup power.

Specifications:

- Pairs with the Field Capture app, Bluetooth capture, no manual entry
- Documents splice points, cabinets, mux channels, or FTTH unit-by-unit
- GPS, timestamp & tech ID auto-logged on every reading
- One-tap CSV export, organized by job and unit
- Pass/fail threshold check — green/red feedback at capture
- InGaAs detector: +6 to –60 dBm (T5610) / +26 to –45 dBm (T5620)
- Calibrated to 13 wavelengths, 850–1650 nm, covers SWDM, XGS-PON & 1625/1650 nm
- Tone detection 200–2500 Hz identifies active fibers
- 300-hour battery from 2× AA — USB-C for continuous power
- 500-reading internal memory
- 3-year warranty

Specifications

MODEL	T5610	T5620 HIGH POWER
Detector Type	InGaAs	InGaAs (High Power)
Power Range (dBm)	+6 to –60	+26 to –45
Response Range (nm)	600 to 1700	800 to 1700
Calibration Wavelengths (nm)†	850, 880, 910, 940, 1270, 1300, 1310, 1490, 1550, 1577, 1610, 1625, 1650	
Midrange Linearity[1] (dB)	0.04 (typ.)	
Calibration Accuracy[2]	±2% (0.09 dB)	
Polarization Sensitivity (dB)	<0.05 (APC)	
Damage Level 3 (dBm)	+15	+27

† 13 calibrated wavelengths span SWDM (850/880/910/940 nm), XGS-PON (1270/1577 nm) and out-of-band live-fiber monitoring at 1625 and 1650 nm.

[1] Midrange linearity @ 1550 nm, non-coherent light, APC connector; excludes top 5 dB and bottom 10 dB of range.

[2] Calibration condition: non-coherent light, –35 dBm ±5, 23 °C ±3, ±0.5 nm, 20 nm ±3 FWHM, PC ceramic connector, 50 µm fiber. [3] T5620 sustains damage level for 2 minutes.

Download the Field Capture App

GET IT ON Google Play

Download on the App Store

FIELD CAPTURE

General Specifications

PARAMETER	VALUE
Battery Life	300 hours (typical)
Size	152 × 80 × 33 mm (6.0 × 3.1 × 1.3 in)
Weight	0.17 kg (0.37 lbs)
Tone Detection	200 to 2500 Hz ±2%
Display Resolution	0.01 dB
Functions	µW / dBm / dB(REF) / MOD tone detection
Memory & Recording	500-reading internal memory · Max/min recording for stability testing
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	SC/PC standard — interchangeable LC, ST, FC
Power	2× AA alkaline cells or via USB-C. Selectable auto-off. Low-battery indicator.
Warranty	3 years

ORDERING INFORMATION:

PART NUMBER	DESCRIPTION
OPTICAL POWER METERS	
T5610	OPM InGaAs
T5620	OPM InGaAs — High Power
OPM ADAPTERS	
LC-OPM	LC Adapter, OPM
SC-OPM	SC Adapter, OPM
SCAPC-OPM	SC/APC Adapter, OPM
ST-OPM	ST Adapter, OPM
FC-OPM	FC Adapter, OPM
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

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