

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

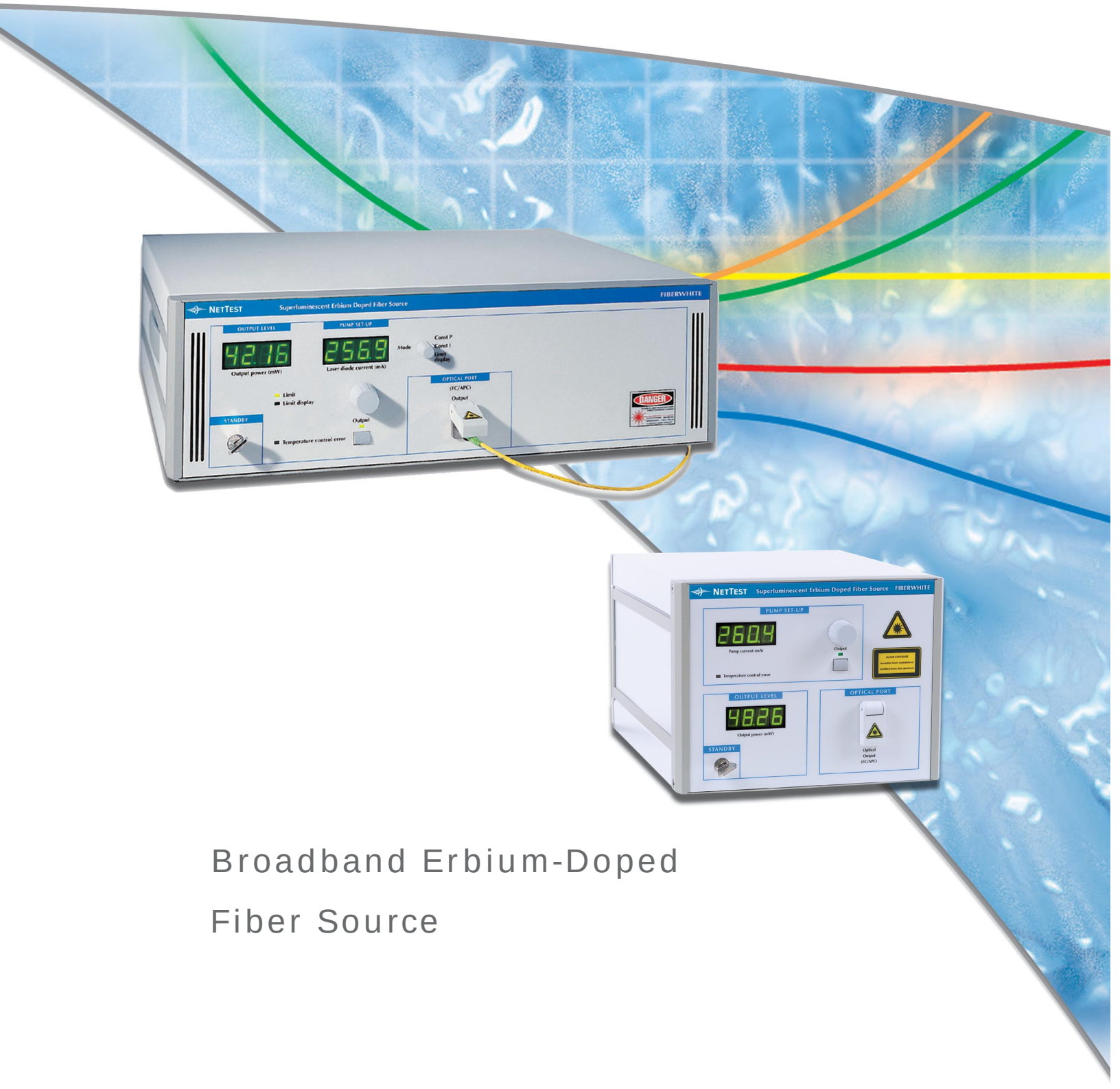
- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Exfo / NetTest / Photonetics 3627 IN* at our website: *Click HERE*

FIBERWHITE



Broadband Erbium-Doped Fiber Source

www.nettest.com

NETTEST

BROADBAND ERBIUM-DOPED FIBER SOURCE

FIBERWHITE is a complete line of Broadband sources based on Amplified Spontaneous Emission (ASE) in Erbium doped fiber

FIBERWHITE



> Four available versions in the C- and L-band

Four versions are available featuring different wavelength ranges and spectral-shaping characteristics: FIBERWHITE-SP maximises the spectral width and the power while FIBERWHITE-IN offers near-gaussian spectrum in the C-band. FIBERWHITE-L is dedicated to the L-band. FIBERWHITE SPL is a dual-band source for spectral measurements in the C+L band.
All versions are optimized for maximum output power and stability. Due to the nature of the source, their outputs are intrinsically unpolarized. The output isolator ensures stable operation even when there is a high-level of reflection.

> 15 dBm output power

FIBERWHITE-SP is a general-purpose high-power broadband source with a spectral width exceeding 45 nm in the 1550 nm window.
The remarkable output power, in excess of +15 dBm, combined with the excellent power stability enable high-accuracy spectral measurements over a large dynamic range.

> Flat spectrum option

A new flat spectrum option offers a flatness as low as 1 dB (typ.) over the 1528-1565 nm range. Typical applications concern OSNR control, amplifier characterization and spectral measurements.

> PMD measurement and white light interferometry

FIBERWHITE-IN offers a near-gaussian spectrum that minimizes the coherence length of the source. Applications include PMD measurement systems and coherence-domain reflectometers.

> Open the L-band

FIBERWHITE-L is specifically dedicated to the L-band. It provides an excellent stability and a spectral width exceeding 45 nm.

> C+L, Broadband source

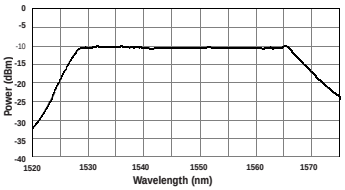
FIBERWHITE-SPL is a FIBERWHITE-SP and FIBERWHITE-L in one instrument. It will provide over 80 nm spectral range covering all C+L band applications.

> Benchtop instrument

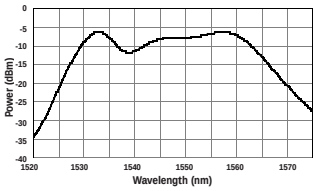
FIBERWHITEs are full-featured bench-top units packaged with complete control electronics and power supplies. They include pump power regulation, temperature control, and protection circuitry. Their flexible, user-friendly front-panel displays and controls, rear-panel monitoring, and IEEE-488 interface make them versatile instruments in the field of optical fiber communications.

TYPICAL SPECTRUM

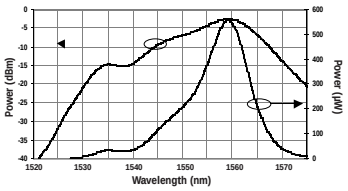
FIBERWHITE-SP-F



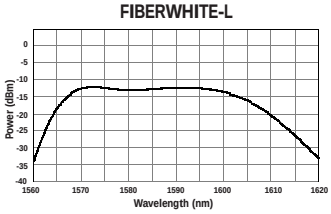
FIBERWHITE-SP



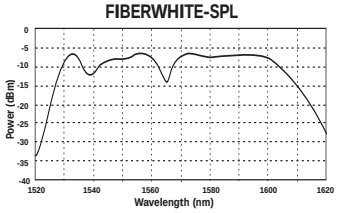
FIBERWHITE-IN



FIBERWHITE-L



FIBERWHITE-SPL



(Measurement condition:0.5 nm resolution bandwidth)

SPECIFICATIONS

	FIBERWHITE-SP	FIBERWHITE-IN	FIBERWHITE-L	FIBERWHITE-SPL
Optical specifications				
Spectral range[1]	1530-1565 nm	1545-1565 nm[2]	1565-1610 nm	1530-1610 nm
Output power	> +15 dBm	> +13 dBm	> +13 dBm	> +13 dBm
Power stability[3]	< ±0.015 dB/h	< ±0.015 dB/h	< ±0.015 dB/h	< ±0.015 dB/h
Spectrum flatness[4]	< 8 dB		< 2 dB	< 8 dB
Output polarization	unpolarized	unpolarized	unpolarized	unpolarized
Optical output	FC-APC connector on Corguide™ SMF-28 fiber			
Output isolation	35 dB			
User interface				
Displays	Pump diode current, optical output power			
Controls	Optical output power, safety interlock			
Alarms	Temperature control error[5]			
Rear panel	Pump diode current, optical output power, IEEE-488.1 interface			
Operating temperature range	0 to +50 °C (+32 to +122 °F)			
Dimensions[6] (W x H x D)	235 x 180 x 325 mm³ (-SP, -IN, -L model) 345 x 180 x 325 mm³ (-SPL model)			
Power supply	100 to 240 V, 50 to 60 Hz			

NOTES

(1) 10 dB below maximum power.
(2) The corresponding coherence length (half width at 50% visibility) is less than 80 µm.
(3) At constant temperature, after 1 hour warm-up for the minimum guaranteed output power.
(4) Over 1530-1560 nm for FIBERWHITE-SP, over 1570-1600 nm for FIBERWHITE -L, over 1530-1600 for FIBERWHITE -SPL, optional flat spectrum (see options).
(5) The pump diode temperature is stabilized and an alarm indicator is activated in case of temperature control error.
(6) 448 x 133 x 370 mm³ for 19" rack mount version (see options).

OPTIONS

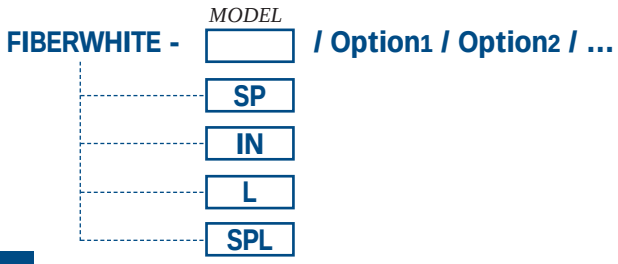
P *. . . . . Polarized output; the output power is reduced by 4 dB. Extinction ratio > 30 dB over spectral range.*
F *. . . . . Flat spectrum(FIBERWHITE-SP), spectrum flatness < 2 dB over 1528-1565 nm, output power> +10 dBm*
RF *. . . . . 19" rack-mount version (3U) with optical port on front panel*
RB *. . . . . 19" rack-mount version (3U) with optical port on back panel*

ACCESSORIES

FO Jumper FC-APC/FC-APC
FO Jumper FC-APC/FC-PC (delivered as standard with each instrument)
RM1 19" (3U) rack-mount kit with no front handles (standard rack-mount kit, with front handles, delivered with each instrument)

ORDERING INFORMATION

> Please specify the model name followed by the options:



OPTIONS

> Use the following code references that correspond to the available options:

P Polarized output
F Flat spectrum (FIBERWHITE-SP)
RF 19" rack-mount version (3U) with optical port on front panel
RB 19" rack-mount version (3U) with optical port on back panel

ACCESSORIES

> Use the following code references that correspond to the available accessories:

FO Jumper FC-APC/FC-APC
FO Jumper FC-APC/FC-PC (delivered as standard with each instrument)
RM1 19" (3U) rack-mount Kit with no front handles (standard rack-mount Kit, with front handles, delivered with each instrument)

FIBERWHITE

Photonetics now NetTest Photonics Division

NetTest A/S
Kirkebjerg Allé 90, DK- 2605 Brøndby Denmark Tel +45 72 11 22 00 Fax +45 72 11 22 10
com@nettest.dk - www.netTest.com

NetTest Sales Companies
• Australia +61 39 890 6677 • Canada +1 905 479 8090 • China +86 10 64 67 88 88
• Nordic +45 72 11 23 00 • France +33 (0)1 61 34 34 34 • Germany South office +49 8191 9477 90
• Germany North office +49 5131 7017 0 • Italy +39 02 95 12 621 • Singapore +65 220 9575
• Spain +34 91 372 92 27 • Sweden +46 8 555 410 65 • UK +44 1295 26 77 55
• USA +1 978 535 73 33

NetTest develops, manufactures and markets advanced equipment and systems for the test and measurement of telecommunication, data communication and optical networks. We provide carriers, vendors, enterprises and research laboratories with the network testing solutions they need to troubleshoot and optimise performance in today's complex, hybrid networks and in those planned for tomorrow.

NetTest undertakes a continuous and intensive product development program to ensure that its instruments and systems perform to the highest technical standards. As a result, the specifications in this document are subject to change without notice.





All FIBERWHITE models comply with IEC 60825-1 and FDA (21CFR Subchapter J) laser safety standards.

NETTEST

© 2001 September NetTest A/S. All Rights Reserved - 3627

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP