

J. A. WOOLLAM CO., INC.
-Spectroscopic Ellipsometers and Thin Film Characterization-

Consumable Parts for an IR-VASE with an FTLA2000 Spectrometer

Part Number	Description	Life Expectancy	Supplier Recommended Replacement Frequency	Supplier	Estimated Price
W-Globar (ACS-101-01)	glow bar assembly for an FTLA2000 spectrometer	one year	upon failure	J.A. Woollam Co., Inc / LOT-Oriel GmbH	800 -820 Euro
SPL6300G	desiccant module (If the spectrometer is purged the desiccant should last for the life of the instrument. The lavender dots on the module indicate the humidity level to which the spectrometer has been exposed. Maintaining a relativity humidity of less than 35% will prevent moistrute damage to the optics.)	depends on use	6 to 12 months (3 months in very humid environments)	ABB Inc.	550 US\$
SMS0600G	laser (Only ABB service personnel are authorized to replace lasers.)	3 to 4 years	2 years	ABB Inc.	3000* USD

* Price includes labor at the repair facility.

Consumable Parts for a Purge Gas Generator

Description	Supplier Part Number	Supplier Recommended Replacement Frequency	Supplier	Estimated Price (Euro)
filter tube for Y83-700-BX coalescing prefilter	100-12-BX	one year	Parker Hannifin	50
moisture indicator cartridge	75800	one year	Parker Hannifin	150
filter element for 3C-020-P02-Fi coalescer	3C-020 59185K1 2	six months six months	Reading Technologies, Inc. McMaster-Carr	100

Contact Information of Suppliers:

<p>ABB Inc. Analytical and Advanced Solutions 585 Charest Blvd. East, Suite 300 Quebec, QC G1K 9H4 Phone: (418) 877-2944 FAX: (418) 877-2834 email: bomem_service@ca.abb.com WWW: www.abb.com/analytical</p>	<p>Parker Hannifin Corporation Filtration and Separation Division 242 Neck Road, P.O. Box 8223 Haverhill, MA 01835-0723 Phone: (800) 343-4048 Phone: (978) 858-0505 FAX: (978) 858-0625 WWW: www.parker.com/balston</p>	<p>Reading Technologies, Inc. 1031F MacArthur Road Reading, Pennsylvania 19605 Phone: (800) 521-9200 Phone: (888) 937-9247 Phone: (610) 372-9200 FAX: (610) 372-1984 email: info@driair.com WWW: www.driair.com</p>	<p>McMaster-Carr P.O. Box 4355 Chicago, IL 60680-4355 Phone: (630) 833-0300 FAX: (630) 834-9427 WWW: www.mcmaster.com email: chisales@mcmaster.com</p>
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