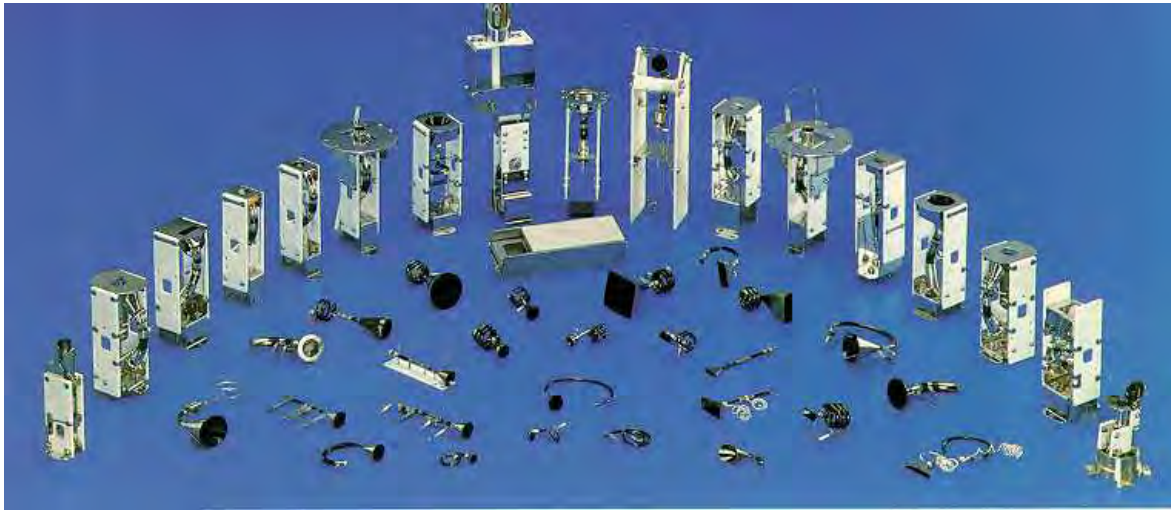


CHANNELTRON®

Electron Multiplier Selection Guide



Performance

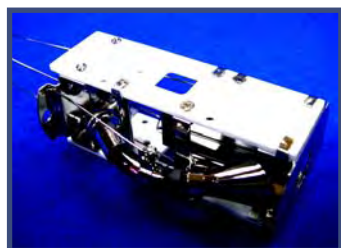
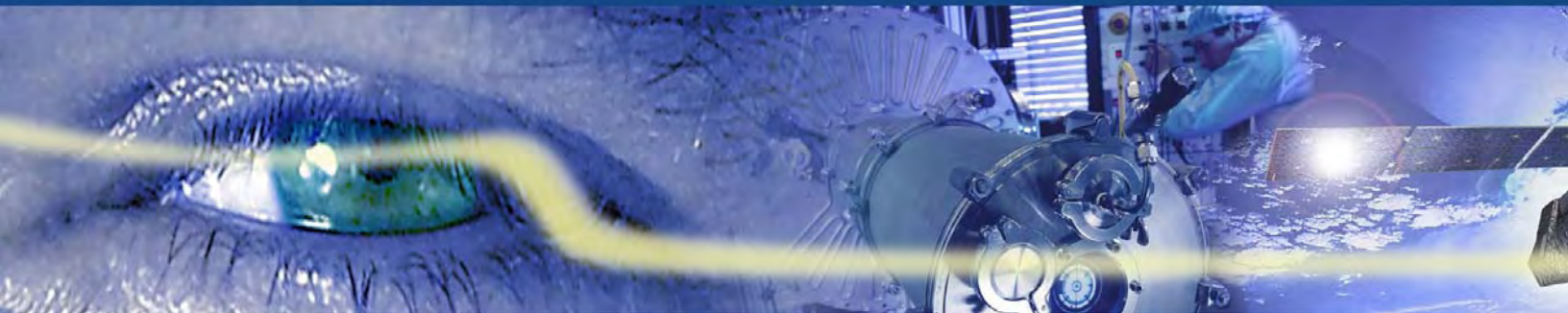
Quality

Value

The one source for all your detector needs

BURLE

A PHOTONIS GROUP COMPANY



4770



5900 MAGNUM

Manufacturer	Instrument	BURLE Model
ABB Extrel / Extrel	Quad (analog only)	4716
	Quad (analog & pulse)	4816
	QMS Series (analog)	4770E
	Benchmark LCMS, Questor	4870E
	MEXM/EXM System/C50 (pulse)	4879
AEI / Kratos	MS9	4780
	MS30	4780
	Axis	4800K
Agilent / Hewlett Packard (HP)	5930 + ions	4770, 4772
	5970, 5971, 5972, 5973	5772*, 5900 MAGNUM
	GCD	5778*, 5900 MAGNUM
	5980 + ions, 5980A + ions	4770, 4772
	5981 + ions, 5982 + ions	4770, 4772
	5983 + ions, 5984 + ions	4770, 4772
	5985 + ions	4770, 4772
	5985 ± ions, 5985B ± ions	4770B
	5985B + ions, 5987 + ions	4770
	5987 ± ions	4770B
	5988 + ions	4770
	5988 ± ions, 5988A ± ions	4770B
	5989 HED	5900 MAGNUM, 4772H
	5993B ± ions	4770B
1100 LC/MSD	5900 MAGNUM	
Anelva	M-QA-100TS/200TS	4775
	M-400QA	4775
Bear Instruments	Cub Mass Spec (800)	5904 MAGNUM
Bruker	Ion Trap	5902 MAGNUM
	Esquire	5901 MAGNUM

* High Sensitivity Replacement

**Don't accept any imitations –
Demand genuine Channeltron® replacement parts !**

CHANNELTRON® Electron Multipliers



Manufacturer	Instrument	BURLE Model
Cameca	MAC 3	4820
CVC	1100	4700
Dionex	MSQ	5903 MAGNUM
Dupont	21-490, 21-491, 21-492	4730G
Dupont / CEC	21-103, 21-104, 21-105	4735
Hidden Analytical	RGA (analog)	4774H
Hitachi	RMU-6D, ICP/MS, LC/MS	4839
	GC/MS	4831G
	3DQ	5902 MAGNUM
INFICON	Auditor	4727
INFICON (RGA)	Quadrex 100, Quadrex 200	4775
	PPC, QX2000, Transpector	4775
	XPR II	XPR
	Hapsite	4799
INFICON / Pfeiffer Vacuum / (Balzers)	Compact Sensor	RGA MARK VII
	QMG511 (SEV 217)	4842G
Kratos / Shimadzu	Prisma	4775
	Amicus, ESCA 3200	4139S C WL/NM MNT
	ESCA 3400	4870E
Kurt Lesker Co.	AccuQuad RGA	4220
Leybold INFICON / INFICON (Mass Spec)	ELS22, Auditor II	4775
	Hapsite	4799
LKB	9000	4736
Mass Analyzer Products	MAP215-50	4869
	CH5	4734
MAT	111, 112, 112S, 212, 311, 312, 711, 8020	4737
	CH3, CH4, CH4B	4738G
McAllister Tech	Mass Spec	4128
Micromass / Waters	Isoprobe	4800 EIC SL B1
	PT1/PT2	4769M



5903 Magnum

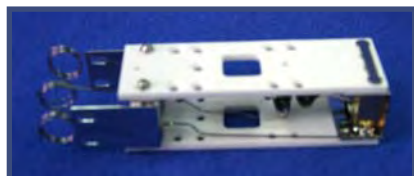
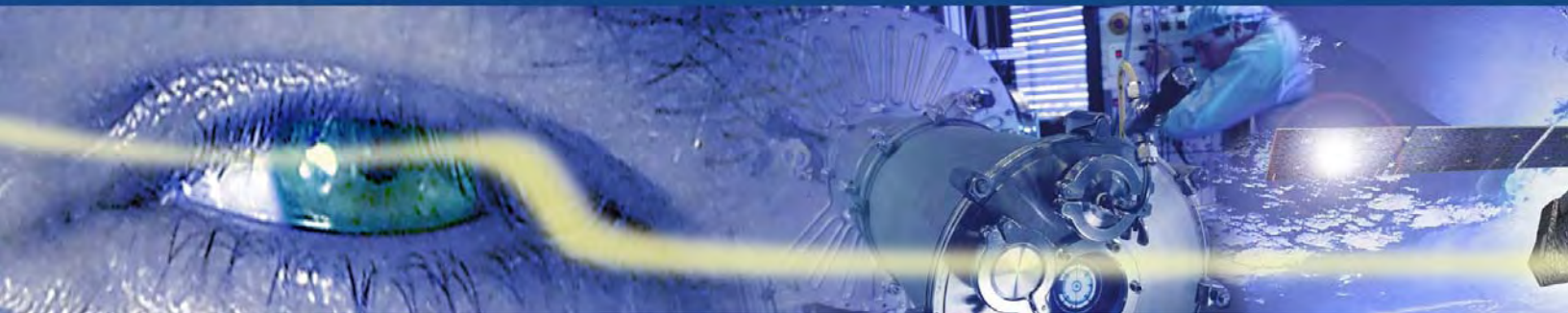


4775



4800

All Channeltron® Electron Multipliers purchased domestically are shipped overnight via FedEx Priority at no additional cost.



4831G



4822B



5902 MAGNUM

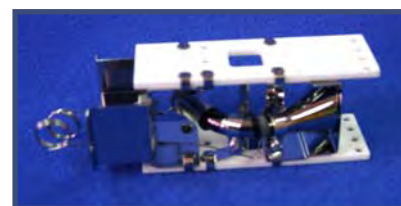
Manufacturer	Instrument	BURLE Model	
MKS Instruments	PPT Series	4769M	
	Orion Compact	4769M	
	HPQ2 RGA, Mini-Lab MS	4775	
Nermag	R1010	4753G	
Omicron	EA125	7013C HC B1	
	CMA	4831G COA SFF	
	SED	4731G	
Orbital Sciences / Hamilton Sundstrand	Mass Spec	4830G	
Perkin Elmer	Ion Trap	4715	
	Q-Mass	4727	
	AES-548, AES-590	4831G	
	ELAN 250, 500, 5000, 6000, 6000A, 6100	4816B	
	ELAN 3025, 3045, 3067, 3500, 3600	4831G	
	ELAN 5000LS	4821G	
	ELAN 5500, 6000, 6300, 6700	4831G	
	ELAN 600, 660, 25-270 CMA	4831G	
	ELAN 3010, 10-155, 15-155	4839	
	15-255 (unmounted), 20-075	4219 SL	
	15-255 (mounted)	4831G	
	Sciex / MDS Sciex / Applied Biosystems/ABI	API III LCMS	4879
		API 100, 150, 200, 300	4822B
API 2000, API 3200		4899	
API 3000, 4000, 5000		4822B	
ELAN 250, ELAN 500, ELAN 5000		4816B	
ELAN 5000A		4880	
ELAN 6000, ELAN 6000A, ELAN 6100		4816B	
QTRAP		4822B	
4000 QTRAP		4822C	
Riber		QX100, QX200, SQ156	4730
Seiko	ICP-MS Instruments	4816	
Shimadzu	QP1000, QP2000	4870E	
	QP5000, QP5050A	4797	
	QP8000	4797	
Stanford Research	RGA 100, 200, 300	4220	
Teledyne	3DQ	5902 MAGNUM	

Only BURLE manufactures genuine Channeltron[®] replacement multipliers.

CHANNELTRON® Electron Multipliers



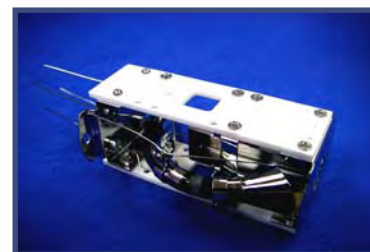
Manufacturer	Instrument	BURLE Model
Thermo Finnigan	CH7, CH8	4733
	4000 PPINICI, 4500 PPINICI	4752G
	4600 PPINICI, 5100 PPINICI	4752G
	PPINICI Incos 50	4752G
	OWA (before 8/81), 1020, 5100	4750G
	OWA (after 8/81), 1020, 5100 (base)	4752G
	ITD 700, 800, ITS40, Magnum	5903 MAGNUM, 4765G
	1015 (on axis), 3000	4750G
	1015 (off axis), 3000, 3100, 3200	4751G
	4000, 4500, 4600	4751G
	TSQ 70 w/20kV dynode, TSQ 700	4715
	TSQ 70, ITMS	4752G
	Sola ICP	4870V
	PolarisQ, GCQ/LCQ (full assembly)	5903 MAGNUM Assy
	PolarisQ, GCQ/LCQ/SSQ/TSQ7000	5903 MAGNUM
	LCQ Decca	5905 MAGNUM
PolarisQ DSQ	5903 MAGNUM HED D	
Thermo Jarrell Ash	POEMS	4870V
UTI	Analog (unmounted) - 100C	4717
	Analog (unmounted) - 100C	4776
	Pulse Counting RGA (mounted)-100C	4876
Varian	Auger Analyzer	4720
	1200	5904 MAGNUM
	Saturn (Pre-2000), Saturn I, II, III (mtd)	4765G
	Saturn 2000, Saturn 2100, Saturn 2200	4765GM
	Saturn I & II (unmtd), 4000 GC/MS	4765
Vestec	201 (off axis)	4782
	201 (on axis) + ion mode	4783
V & F Gas Analysis	CIMS 500	4823G
VG / Thermo VG Scientific / VG Analytical	QX200, SQ300, SQ400	4771
	SX200, SX300, SQ300	4774
	ZAB, ZABIF, 7070	4773G
VG Elemental / Thermo Elemental	Plasma Quad PQ1, PQ2+, PQ-3	4870V
	PQ-EXCEL, Genesis	4870V
VG Microtech	Clam 2 (single channel)	7010
	Clam 2 (triple channel)	4800 C B1 4x19
VG Quadrupoles / Thermo ONIX	Quad Mass Spec (analog)	4774
	VGQ, VG Smart IQ	4769
VSW	Mass Analyst Quad Type	4771



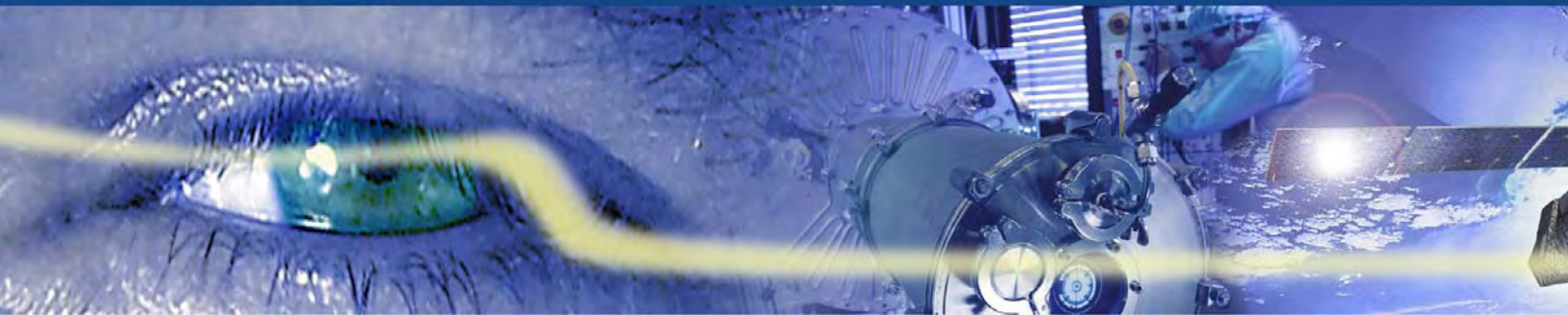
4752G



4765GM



4870V



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- Compact
- Single Piece Construction
- Ideal for Portable, Low Cost Instruments
- Various Mounting Configurations
- Analog or Pulse Counting Applications
- Gain Greater Than 10 Million
- Low Noise



Extended Dynamic Range™ (EDR) NEW!

- MAGNUM Electron Multipliers® with EDR option
- Widest Dynamic Range available over a wider current range
- Increased Gain Stability
- Higher Count Rates
- Near Elimination of Feedback Noise
- High Pressure Operation



Pulse Counting

- 5901 MAGNUM Electron Multiplier® is designed specifically for pulse counting applications
- High Performance
- Wide Dynamic Range over a wider Current Range
- Low Noise
- Longer Life
- Excellent Pulse Height Resolution



Custom Designs

- Our experienced Engineering Staff is ready to meet your most demanding requirements
- Innovative Solutions – Unsurpassed Performance
- Select from the world's widest variety of electron multiplication solutions.
- Specialized Cones, Coatings, and Testing available

CHANNELTRON® Electron Multipliers



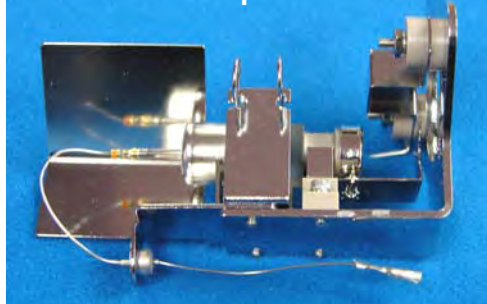
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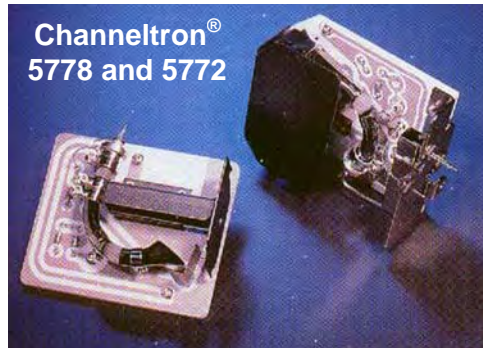
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MAGNUM Ion Optics Frame



**Channeltron®
5778 and 5772**



Channeltron®

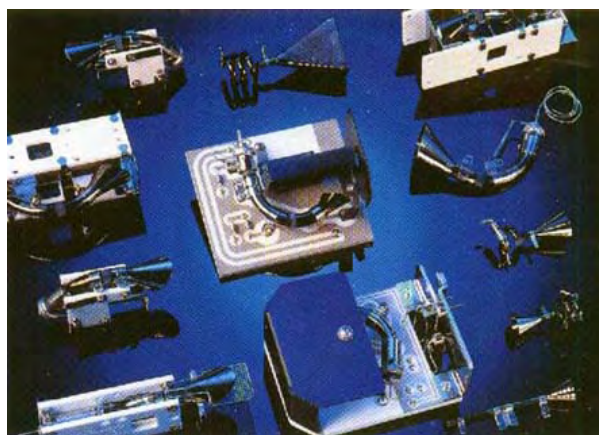
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BURLE is the leader in ion, electron, and photon detection. These products have a proven record of delivering longer life, higher performance and increased sensitivity over a wide range of applications. BURLE supplies more Time-of-Flight detectors than all other manufacturers combined.

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