

Channeltron® Electron Multiplier and Secondary Electron Multiplier Guide

Channeltron® Channel Electron Multipliers and Secondary Electron Multipliers					
Manufacturer	Instrument	Part No.	Style	Model	MasCom Part No.
ABB EXTREL	Benchmark LCMS	Y-61	Pulse	4870E	BU30139
	C50, ELO, EOO 400, MEXM/EXM		Pulse	4879	BU30145
	Quad	U-1150	Analog Only	4716	BU30073
	Quad	U-1149	Analog & Pulse	4816	BU30110M
	QMS Series	U-411	Analog	4770E	BU30094
	Questor	Y-61	Pulse	4870E	BU30139
AEI/Shimadzu	Axis	59-030		4800K	BU30108
	Quad Surface Analysis	59-905	Analog & Pulse	4816	BU30110M
	MS9, MS30			4780	BU33958
Agilent (Hewlett Packard)	5970, A, B	1970-0075	Original Standard	4772	97535m / BU30096
		05970-80102	On Circuit Board	5772	BU30147
			Cartridge	5900 MAGNUM	BU31308
				5900 Frame	BU32819
		05971-80103	Cartridge - K&M size	5902 MAGNUM	BU32336
	5971 / 5972 / 5973	05971-80101	Original Standard	4778	97535m / BU30103
			On Circuit Board	5778	BU30148
	5975		Cartridge	5900 MAGNUM	97535m / BU31308
			Frame for Cartridge Only	5900 Frame	BU32819
		05971-80102	Cartridge + Mount	Individual	Individual
		05971-80103	Cartridge - K&M size	5902 MAGNUM	BU32336
	5985 / 5987 / 5988	05985-60180	Positive + Negative Ions	4770B	BU30093
	5930 / 5980 / 5980A	1970-0063	Positive Ions	4770	BU30092
	5981 / 5982 / 5983 / 5984	1970-0063	Positive Ions	4770	BU30092
	5985 / 5985B / 5987 / 5988	1970-0063	Positive Ions	4770	BU30092
	5989	05989-80043	W/O HED		97535m
		05989-80002	With HED	4772H	BU30097
	5992, 5993, 5995	1970-0075	Positive Ions	4772	97535m / BU30096
	5993	05985-60182	Positive + Negative Ions	4770B	BU30093
		1970-0075	Positive Ions	4772	BU30096
GCD		Cartridge	5900 MAGNUM	97535m / BU31308	
		Frame for Cartridge Only	5900 Frame	BU32819	
	05971-80102	Cartridge + Mount		Individual	
	05971-80103	Cartridge - K&M size	5902 MAGNUM	BU32336	
	1100 LC/MSD		Cartridge	5900 MAGNUM	BU31308
API	5000/4000/3000/150EX			4822B	BU30118
	3200		mounted	4899	BU35119
Balzers	MAP250-15			analog	0221270S
	MAP250-15			pulse count mode	0221271S
Bear Instruments	Cub 800, Kodak			5904 MAGNUM	97715m / BU33328
Bruker	Ion Trap			5902 MAGNUM	BU32336
	Esquire			5902 MAGNUM	BU32336
	Scion			1828598-00	97118m
Cameca	MAC 3			4820	BU30114
CVC	1100			4700	BU30189
Dionex	MSQ			5903 MAGNUM	BU32906
DuPont/CEC	21-103, 21-104, 21-110			4735	BU33868
	21-490, 21-491, 21-492	299480		4730G	BU30080
Elan	9000 / 6X00 / DRC	N8125001		Discrete Dynode	BU39905
Hidden Analytical	RGA (Analog)			4774H	BU32393
	EPIC Halo, Maxim				BU30142 / BU33135
Hitachi	LC & GC/MS Ion Trap			4839	BU30131
	3DQ			5902 MAGNUM	BU32336
	ICP/MS			4839	BU30131
	RMU-6D			4839	BU30131

Manufacturer	Instrument	Part No.	Style	Model	MasCom Part No.
Inficon (Mass Spec) (Leybold Inficon)	ELS22			4775	BU30101
	Auditor II			4775	BU30101
	Hapsite			4799	BU33959
Inficon (RGA)	Quadrex 100, 200, PPC, QX2000			4775	BU30101
	Transpector (High Performance)			4775	BU30101
	XPRII			XPR	BU32276
	Compact			RGA MARK VII	BU30043
Ionicon	Ionicon PTR-MS		Puls count mode	4736	0221271S
LKB	9000			4736	BU33869
Mass Analyzer Products	MAP215-50			4869	BU30135
McCallister Tech	Electron Energy Loss Spect.			4128	BU33857
Micromass/Waters	PT1/PT2 ICP/MS			4769M	
	Isoprobe			4800 EIC SL	BU30107
MKS Instruments	PPT Series			4769M	BU30091
	Orion Compact			4769M	BU30091
	HPQ2 RGA			4775	BU30101
MKS-Spectra	Mini-Lab MS			4775	BU30101
Nermag	R1010			4753G	BU30083
Omicron	EA125			7013C HC B1	BU30153
	CMA			4831G COA SFF	BU30129
	SED			4731G	BU31585
Orbital	Mass Spec, CAM MK II			4830G	BU30123
PE / Sciex	ELAN5000 (, 500, 250		unmounted	4816B	BU30111
	API III LCMS	014032A		4879	BU30145
	ELAN 5000A	WE02-0328	mounted	4880	BU30146
	ELAN 250	N810-1069	unmounted	4816B	BU30111
	ELAN 500	N810-1069	unmounted	4816B	BU30111
	ELAN 5000	N810-1069	unmounted	4816B	BU30111
	ELAN 6000 / 6000A / 6100	N810-1069	unmounted	4816B	BU30111
	API 100, 200, 300, 3000, 4000, 5000	020048B	mounted	4822B	BU30118
API 2000, 3200		mounted	4899	BU39317	
4000 QTRAP	020048B	mounted	4822C	BU35120	
Perkin Elmer	15-255		unmounted	4219 SL	BU31444
	15-255		mounted	4831G	BU30129
	20-075			4219 SL	BU31444
	Q-Mass			4727	BU33865
	Ion Trap		mounted	4715	97505m / BU30071
	3025, 3045, 3067, 3500, 3600, 5500	602914		4831G	BU30129
	6000, 6300, 6700, 6600, 600	602914		4831G	BU30129
	25-270 CMA, AES-590, AES-548	602914		4831G	BU30129
	5000LS	608144		4821G	BU30117
	ELAN 3010, 10-155, 15-155	616530		4839	DT-473 / BU30131
	NexION 300	N8145000		Discrete dynode All instrument models	BU39917
	NexION 350, 2000	N8145028		Discrete dynode All instrument models	BU39905
	ELAN 9000 / 6X00 / DRC	N8125001			BU39704
Pfeiffer Vacuum/ Balzers	Prisma			4775	DT-343C / BU30101
Riber	QX100, QX200, SQ156			4730	BU30079

Manufacturer	Instrument	Part No.	Style	Model	MasCom Part No.
Shimadzu	Amicus, ESCA 3200			CEM 4139S C WL/NM MNT	BU30068
	ESCA 3400			CEM 4870E	BU30139
	MS9, MS30			4780	BU33958
	Axis			4800K	BU30108
	QP5050A		Multiplier Only	4797	BU34225
	QP8000		Multiplier Only	4797	BU34225
	QP5000			4797	BU34225
	QP, 1000, QP2000			4870E	BU30139
Stanford Research	RGA 100, 200, 300			4220	BU33929
Teledyne	3DQ			5902 MAGNUM	BU32336
Thermo Jarrel Ash	ICP/MS POEMS			4870V	BU30140
Thermo Finnigan	Sola ICP			4870V	BU30140
Thermo Elemental	Plasma Quad PQ1,			4870V	BU30140
Thermo Fisher	Escalab 250				BU36524
Thermo Scientific	ITD 700, 800, ITS40, MAGNUM			w K&M Mount	97505m
	SSQ 7000, TSO 7000			only Multiplier	97545m
					Multiplier w Mount
	Trace DSQ			only Multiplier	DT-2397
				Multiplier w Mount & CD	DT-397
	LCQ Deca / Duo, LTQ, LTQ XL, Velos, LTQ FT LTQ FT Ultra, GCQ, Polaris			only Multiplier	97545m
				Multiplier w Mount	97545mh5
	LTQ Orbitrap, LTQ Orbitrap XL			only Multiplier	97545m
				Multiplier w Mount	97545mh5
	LTQ Orbitrap Velos, Orbitrap Elite				
	LTQ Velos Pro				(2) 00950-01-00137
	TSQ Quantum Series				97545m
	TSQ Vantage				97545m
	TSQ Quantiva, TSQ Endura				00950-01-00442
	TSQ Quantis, TSQ Altis, TSQ Fortis				
	TSQ 8000, TSQ 9000, ISQ				1R76022-14633
	Element 1 ICP-MS		Multiplier	MC- Element 1	1022600S
	Element 2 ICP-MS (Pre March 04)		Multiplier	MC-SEV-ICP II	1114170S
	Element 2 ICP-MS (Post March 04)		Multiplier	MC-SEV-ICP II V2	1152700S
	Element XR / Element GD		Multiplier	MC-SEV-ICP II V2	1152700S
MAT260, MAT261		Multiplier	MC-12/17	0469040S	
MAT262 (old)		Multiplier	MC-Z/19 Triton	1131190S	
MAT212, MAT311, MAT8200		Multiplier	MC17A	0220969S	
MAT95 -MAT95XP, MAT900		Multiplier	MC17A	0220970S	
DFS	1090010	Multiplier	MC17A	0220970S	
Torion	Guardion-7		Multiplier	4230	BU36046
VG Elemental	PQ2+, PQ3 Standard			4870V	BU30140
Ulvac	Analog			4731G	BU31585
	Pulse Counting			4831G	BU30129
UTI (MKS)	Analog - 100C	100C	unmounted	4717	BU30074
	Analog (mounted) - 100 C			4776	BU30102
	Pulse Counting RGA - 100C		mounted	4876	BU30144
Varian	Auger Analyzer			4720	BU30075
	Saturn I & II		mounted	4755	97505m / BU32782
	Saturn I, II, III		mounted	4765G	BU30088
	1200 Triple Quad			5904 MAGNUM	97715m / BU33328
	Saturn (pre 2000)		mounted	4765G	BU30088
	Saturn 2000, 2100, 2200			4765GM	BU32754
	Saturn 4000 GC/MS			4765	

Manufacturer	Instrument	Part No.	Style	Model	MasCom Part No.
Vestec	201 (Off axis)			4782	BU30105
	201 (on axis) + ion mode			4783	BU33871
V&F Gas Analysis	CIMS 500 / Airsense			4823G	BU30121
VG Quadrupoles	Quad Mass Spec (analog)	102-400-880		4774	BU30099
	Quad Mass Spec (Pulse Counting)				
	QX200, SQ300, SQ400			4771	BU30095
	SX200, SX300, SQ300	MGR4073B		4774	BU30099
	ZABIF, 7070, ZAB			4773G	BU30098
	VG Smart IQ, VGO			4769	BU30090
VG Microtech	Clam2 Hemispherical Analyzer		single channel detection	7010	BU30150M
	Clam2 Hemispherical Analyzer		triple channel detection	4800 C B1 4X19	BU30106
VG Scientific	ESCA Lab (single)			7010	BU30150M
	ESCA Lab Mark II (triple)			7010	BU30150M
	ESCA Lab mark II (Five)			7013C/B1	BU30155
	ESCA Lab 220			7712	97712m
VG Elemental	Genesis			4870V	BU30140
	PQ-3			4870V	BU30140
	PQ-Excel			4870V	BU30140
VG		X919VL		4800 C WL C1	BU36452
		X919BL		4800 C WL C1	BU36452
		B310VL		7012	BU33872
		X812VL		7013C/B1	BU30155
		X913VL		4800 C B1 4X19	BU30106
Viking	Viking 573				97535m
VSW	Mass Analyst Quad Type			4771	BU30095
Torion	Guardion-7		Multiplier	4230	BU36046
VG Elemental	PQ2+, PQ3 Standard			4870V	BU30140
Ulvac	Analog			4731G	BU31585
	Pulse Counting			4831G	BU30129
UTI (MKS)	Analog - 100C	100C	unmounted	4717	BU30074
	Analog (mounted) - 100 C			4776	BU30102
	Pulse Counting RGA - 100C		mounted	4876	BU30144
Varian	Auger Analyzer			4720	BU30075
	Saturn I & II		mounted	4755	97505m / BU32782
	Saturn I, II, III		mounted	4765G	BU30088
	1200 Triple Quad			5904 MAGNUM	97715m / BU33328
	Saturn (pre 2000)		mounted	4765G	BU30088
	Saturn 2000			4765GM	BU32754
	Saturn 2100, 2200			4765GM	BU32754
	Saturn 4000 GC/MS			4765	
Vestec	201 (Off axis)			4782	BU30105
	201 (on axis) + ion mode			4783	BU33871
V&F Gas Analysis	CIMS 500 / Airsense			4823G	BU30121
VG Quadrupoles	Quad Mass Spec (analog)	102-400-880		4774	BU30099
	Quad Mass Spec (Pulse Counting)				
	QX200, SQ300, SQ400			4771	BU30095
	SX200, SX300, SQ300	MGR4073B		4774	BU30099
	ZABIF, 7070, ZAB			4773G	BU30098
	VG Smart IQ, VGO			4769	BU30090
VG Microtech	Clam2 Hemispherical Analyzer		single channel detection	7010	BU30150M
	Clam2 Hemispherical Analyzer		triple channel detection	4800 C B1 4X19	BU30106

Manufacturer	Instrument	Part No.	Style	Model	MasCom Part No.
VG Scientific	ESCA Lab (single)			7010	BU30150M
	ESCA Lab Mark II (triple)			7010	BU30150M
	ESCA Lab mark II (Five)			7013C/B1	BU30155
	ESCA Lab 220			7712	97712m
VG Elemental	Genesis			4870V	BU30140
	PQ-3			4870V	BU30140
	PQ-Excel			4870V	BU30140
VG		X919VL		4800 C WL C1	BU36452
		X919BL		4800 C WL C1	BU36452
		B310VL		7012	BU33872
		X812VL		7013C/B1	BU30155
		X913VL		4800 C B1 4X19	BU30106
Viking	Viking 573				97535m
VSW	Mass Analyst Quad Type			4771	BU30095