



MODEL EEL4000MC

MULTI-CHANNEL HIGH VOLTAGE AMPLIFIER SPECIFICATION SHEET

+/-1kV CHANNEL

VOLTAGE:	+/-1kV
ACCURACY:	0.5% of F.S.
NOISE:	<TBD mVrms
OFFSET:	<1VDC OFFSET
CURRENT:	+/-4mA
POWER RATING:	4W

+/-2kV CHANNEL

VOLTAGE:	+/-2kV
ACCURACY:	0.5% of F.S.
NOISE:	<TBD mVrms
OFFSET:	<1VDC OFFSET
CURRENT:	+/-4mA
POWER RATING:	8W

+4kV CHANNEL

VOLTAGE:	+4kV
ACCURACY:	0.5% of F.S.
NOISE:	<TBD mVrms
OFFSET:	<1VDC OFFSET
CURRENT:	+/-4mA
POWER RATING:	16W



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HIGH VOLTAGE AMPLIFIER SPECIFICATION SHEET(CONT)

-4kV CHANNEL

VOLTAGE:	-4kV
ACCURACY:	0.5% of F.S.
NOISE:	<TBD mVrms
OFFSET:	<1VDC OFFSET
CURRENT:	+/-4mA
POWER RATING:	16W

+/-1kV CHANNEL

SLEW RATE:	> TBD V/us
LARGE SIGNAL BANDWIDTH:	>TBD kHz No load -3db
SMALL SIGNAL BANDWIDTH:	>TBD kHz No load -3db
INPUT GAIN:	+/-1V = +/-100V
HIGH VOLTAGE ENABLE:	TTL, Open Collector
VOLTAGE MONITOR:	100:1 (1V represents 100V)
ACCURACY:	0.1% of Full Scale
BANDWIDTH:	TBD kHz
CURRENT MONITOR:	1V = -40uA
ACCURACY:	1% of Full Scale
BANDWIDTH:	>TBD kHz
VOLTAGE MONITOR CONNECTOR:	BNC
CURRENT MONITOR CONNECTOR:	BNC



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HIGH VOLTAGE AMPLIFIER SPECIFICATION SHEET(CONT)

INPUT CONNECTOR: BNC

HV OUTPUT CONNECTOR: SHV

-/-2kV CHANNEL

SLEW RATE: > TBD V/us

LARGE SIGNAL BANDWIDTH: >TBD kHz No load -3db

SMALL SIGNAL BANDWIDTH: >TBD kHz No load -3db

INPUT GAIN: +/-1V = +/-200V

HIGH VOLTAGE ENABLE: TTL, Open Collector

VOLTAGE MONITOR: 200:1 (1V represents 200V)

ACCURACY: 0.1% of Full Scale

BANDWIDTH: TBD kHz

CURRENT MONITOR: 1V = -40uA

ACCURACY: 1% of Full Scale

BANDWIDTH: >TBD kHz

VOLTAGE MONITOR CONNECTOR: BNC

CURRENT MONITOR CONNECTOR: BNC

INPUT CONNECTOR: BNC

HV OUTPUT CONNECTOR: SHV

+4kV CHANNEL

SLEW RATE: > TBD V/us



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HIGH VOLTAGE AMPLIFIER SPECIFICATION SHEET(CONT)

LARGE SIGNAL BANDWIDTH:	>TBD kHz No load -3db
SMALL SIGNAL BANDWIDTH:	>TBD kHz No load -3db
INPUT GAIN:	1V = +400V
HIGH VOLTAGE ENABLE:	TTL, Open Collector
VOLTAGE MONITOR:	400:1 (1V represents +400V)
ACCURACY:	0.1% of Full Scale
BANDWIDTH:	TBD kHz
CURRENT MONITOR:	1V = +40uA
ACCURACY:	1% of Full Scale
BANDWIDTH:	>TBD kHz
VOLTAGE MONITOR CONNECTOR:	BNC
CURRENT MONITOR CONNECTOR:	BNC
INPUT CONNECTOR:	BNC
HV OUTPUT CONNECTOR:	SHV

-4kV CHANNEL

SLEW RATE:	> TBD V/us
LARGE SIGNAL BANDWIDTH:	>TBD kHz No load -3db
SMALL SIGNAL BANDWIDTH:	>TBD kHz No load -3db
INPUT GAIN:	1V = -400V
HIGH VOLTAGE ENABLE:	TTL, Open Collector
VOLTAGE MONITOR:	400:1 (1V represents -400V)



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HIGH VOLTAGE AMPLIFIER SPECIFICATION SHEET(CONT)

ACCURACY:	0.1% of Full Scale
BANDWIDTH:	TBD kHz
CURRENT MONITOR:	1V = -40uA
ACCURACY:	1% of Full Scale
BANDWIDTH:	>TBD kHz
VOLTAGE MONITOR CONNECTOR:	BNC
CURRENT MONITOR CONNECTOR:	BNC
INPUT CONNECTOR:	BNC
HV OUTPUT CONNECTOR:	SHV
EXTERNAL CONTROL(J1):	25 Pin D Connector
ENCLOSURE SIZE:	133mm (5.25") H X 432mm (17.0") W X 314mm (12.375") D
ITEMS INCLUDED:	Line cord, Manual, HV Output Cable, 25 Pin D Plug, SHV Connectors