

**DYTRAN INSTRUMENTS, INC.** **MASTER ONLY IF IN RED** CHATSWORTH, CA.

SCALE 1/2	REV -	DATE -	ECN -
DATE 8/25/97	PART NO.		
DRAWN N.C.	CHECKED N.C.	MAT'L	
APPROVED <i>DU</i> 8/23/11	NEXT ASSEMBLY	USED ON	
TITLE <b>OUTLINE/INSTALLATION DRAWING MODELS 4120/4121</b>			DWG NO. <b>127-4120</b>
			SHEET 1 OF 1

<b>Model Number</b> 4120	<b>PERFORMANCE SPECIFICATIONS</b>	<b>DOC NO</b> PS4120
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**Current Source Power Unit** REV A, ECN 13446, 05/08/17



- POWERS UP TO 6 CHANNELS OF IEPE SENSORS
- SUPPLIES 2 TO 20mA OF CONSTANT CURRENT PER CHANNEL

**PHYSICAL**

	ENGLISH		SI	
Weight, Max	2.3	lb.	1043	grams
Size (Height x Width x Depth)	19.0 x 1.8 x 12.3	in	483 x 45.7 x 312	mm
Number of Sensor Channels	6		6	
Front Panel LED Voltmeter F.S.	+24	VDC	+24	VDC
Sensor Connectors, Qty. 6	BNC Jack		BNC Jack	
Output Connectors, Qty. 12	BNC Jack		BNC Jack	
Output Coupling Capacitor	10	μF	10	μF
Power Cord, 3-Wire, with Ground	6	FT	1.8	m

**PERFORMANCE**

Voltage Gain	1		1	
Coupling Time Constant	100	Sec	100	Sec
	10	Sec	10	Sec
Lower -3db Frequency	0.0016	Hz	0.0016	Hz
	0.016	Hz	0.016	Hz
High Frequency Response	[1]		[1]	
Background Electrical Noise	150	μV, RMS	150	μV, RMS
Temperature Range	0 to +185	°F	-18 to +85	°C

**ELECTRICAL**

Power Required	6.5	VA	6.5	VA
Line Voltage Required	[3]	VAC	[3]	VAC
Sensor Supply Current, Adjustable [2]	2 to 20	mA	2 to 20	mA
Compliance (Supply) Voltage	+24	VDC	+24	VDC

**This family also includes:**

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)

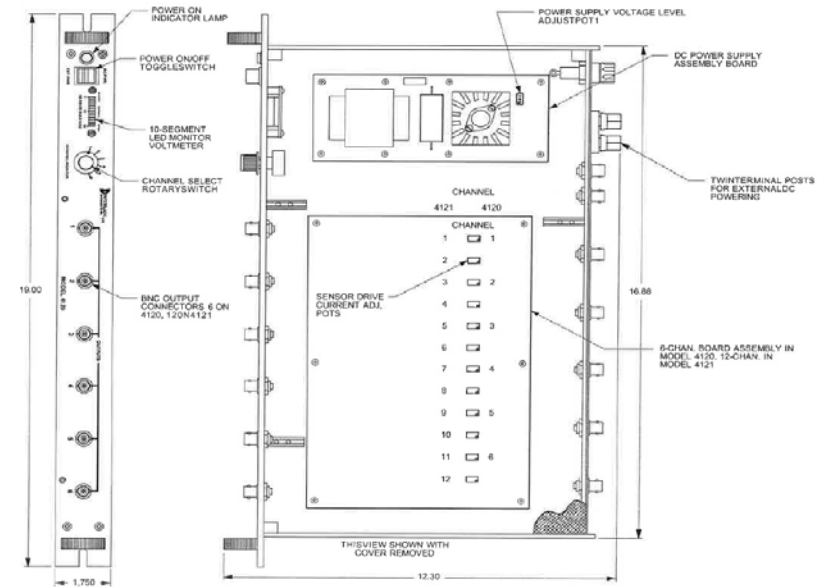
Refer to the performance specifications of the products in this family for detailed description

**Supplied Accessories:**

- 1) Accredited calibration certificate (ISO 17025)

**Notes:**

- [1] Determined by sensor and cable length.
- [2] Factory set at 5mA.
- [3] 115 VAC, 50-60 Hz for standard models. Export "E" versions require 230 VAC, 50-60Hz.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-4120 for more information.



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