



20180716 Meeting

**Korea University
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Electron gun

- Electrode Production(Booil) – 2 weeks
- Buy Spacer for Electrode(Kimball) – 2~5 weeks

Qty	Item	Model No.	Description	Due Date	Unit Price	Amount
1	51-535007	AL2O3-SP-C-050	Alumina Spacers - 16/pkg		\$32.00	\$32.00
1	51-535005	AL2O3-SP-C-100	Alumina Spacers - 16/pkg		\$32.00	\$32.00
			Lead time: 2 - 5 weeks			

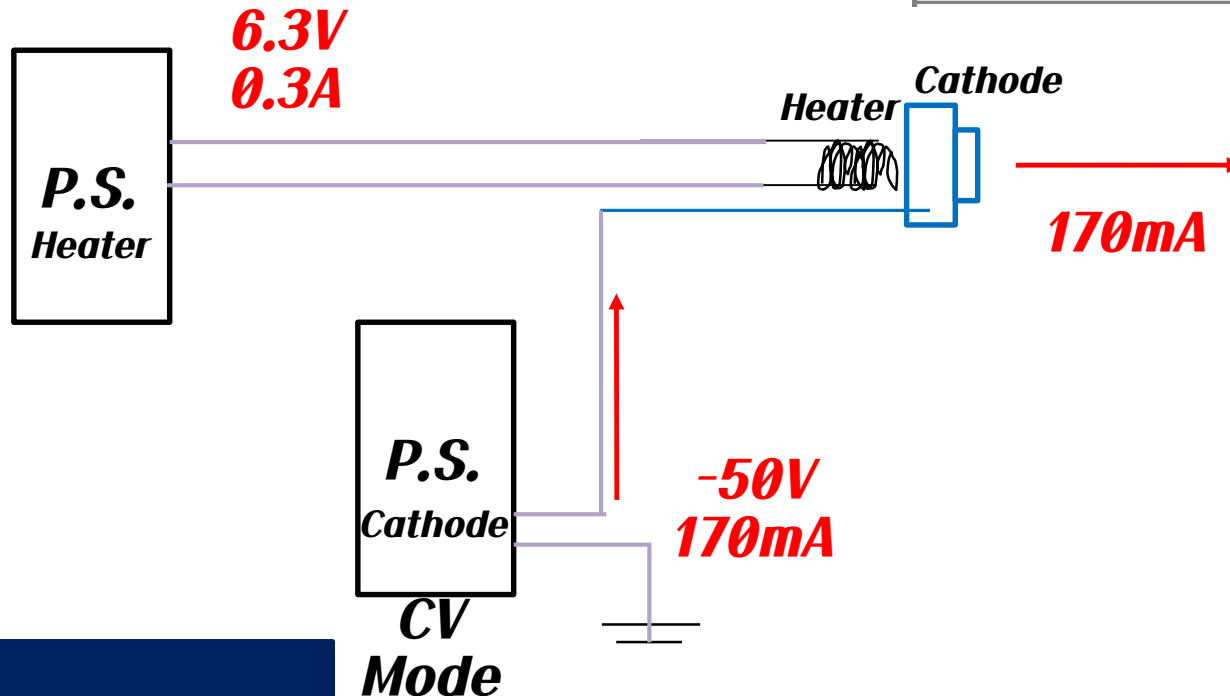
- Power Supply – 3 weeks (Under review)
- Buy Cable
(BNC Cable / Kapton Wire)

Beam Diagnostic

CV / CC mode

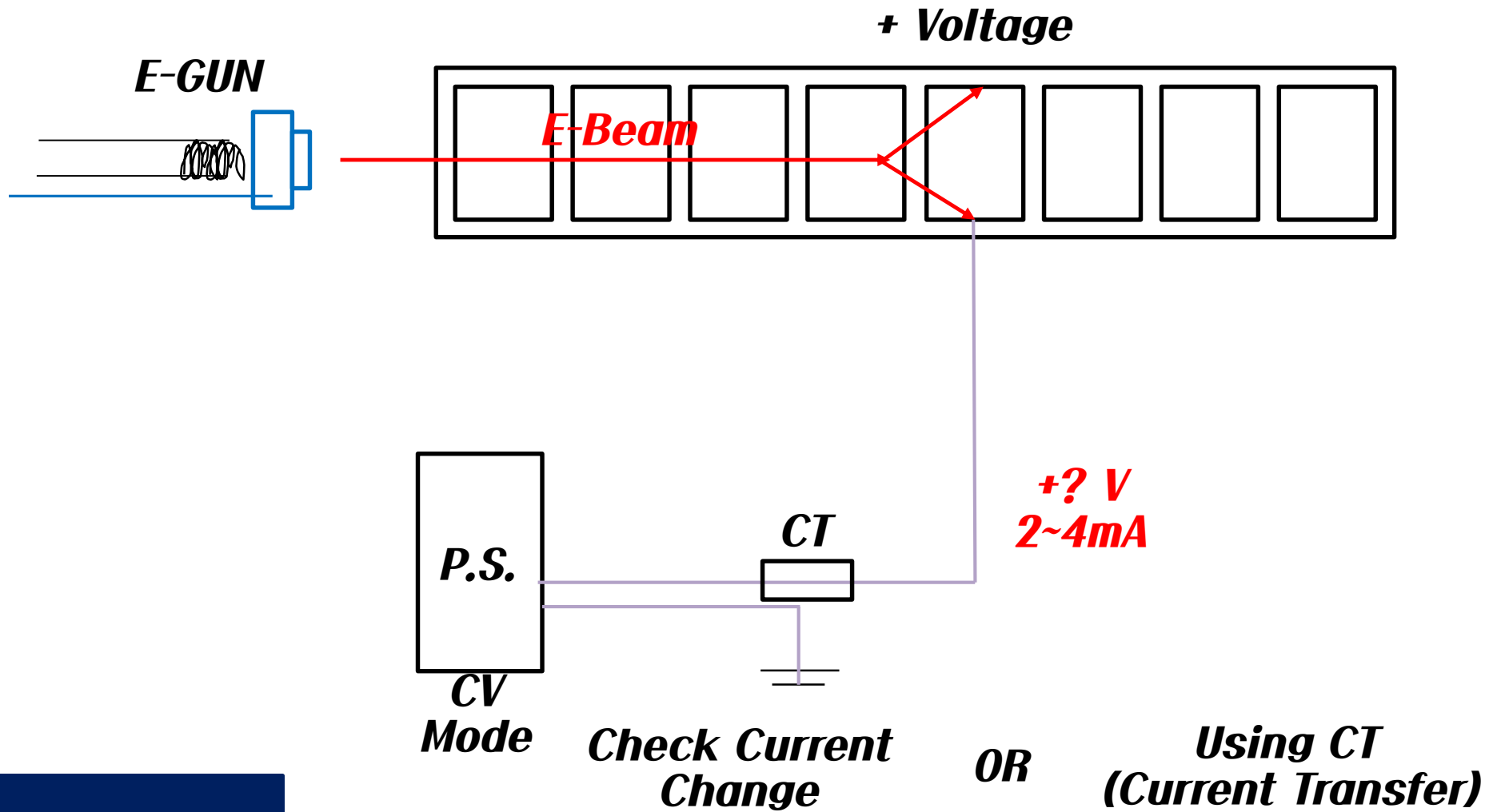
- 양전원 (+), (-) 각각 2채널의 가변출력 제공
- 고정출력 2채널 제공 (5 V/ 2 A & 15 V/ 1 A)
- 출력전압, 전류 차단 및 복귀 기능(Output ON/OFF)
- Tracking Mode (2채널 동시제어) 제공

Parameter		
Output rating(@0℃ ~ 40℃)	Channel 1	0 to 80V / 0 to 1A
	Channel 2	0 to -80V / 0 to 1A
	Fixed output 1	5V / 2A
	Fixed output 2	15V / 1A
Output WATT		160W
Programming Accuracy (@25℃ ±5℃)±(%of output + offset)	Voltage	0.3% + 500mV
	Current	0.2% + 15mA
Readback Accuracy (@25℃ ±5℃)±(%of output + offset)	Voltage	0.3% + 500mV
	Current	0.2% + 15mA
Ripple and Noise(20Hz to 20MHz)	Voltage	≤ 3mVp-p
	Current	≤ 2mArms
Load Regulation (@25℃ ±5℃)±(%of output + offset)	Voltage	0.01% + 2mV
	Current	0.01% + 500μA
Line Regulation (@25℃ ±5℃)±(%of output + offset)	Voltage	0.01% + 2mV
	Current	0.01% + 500μA
Resolution	Programming/Readback	≤ 30mV / ≤ 0.5mA
	Display Meter	100mV / 10mA

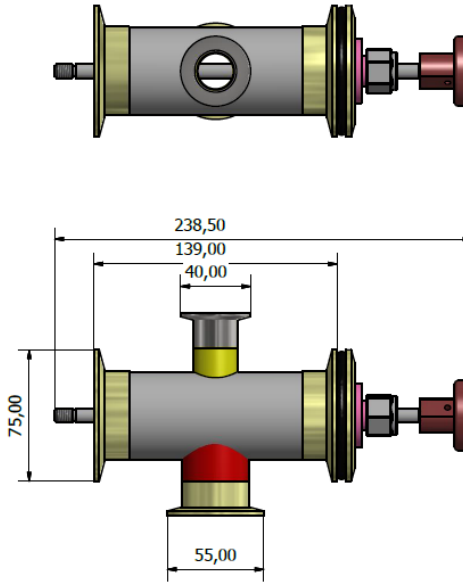
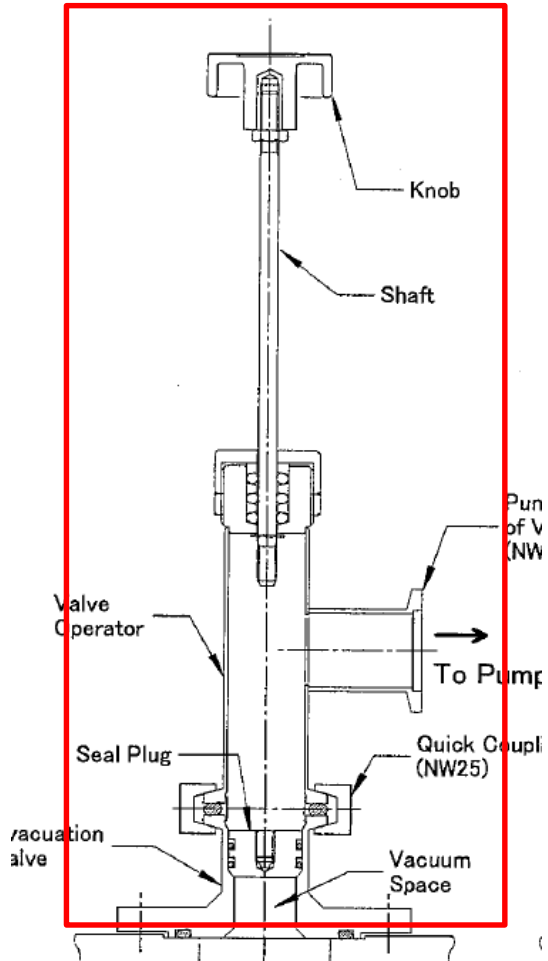


**E-GUN Check
From P.S.**

Beam Diagnostic



KU Magnet



Extractor



EBIS SC Magnet

Booil

Price : ~1,200,000

Period : ~2 weeks

Thank You

