HIGH VOLTAGE PIEZO DRIVER (model C)

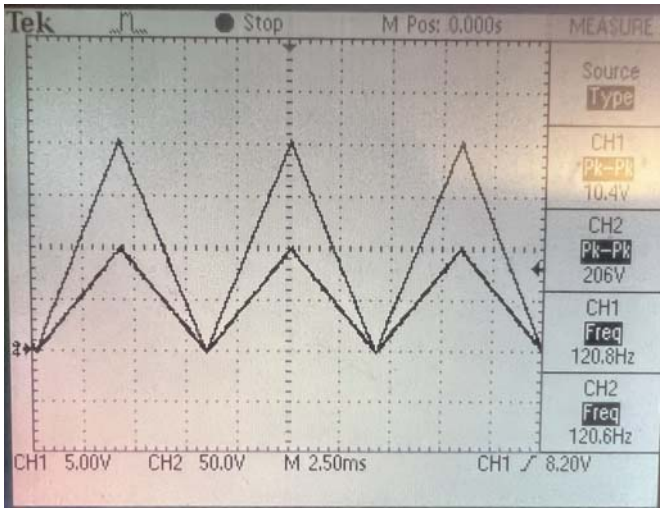
FEATURES

- Single +24V DC Powered, 0-10V Analog Input High Voltage Amplifier
- High Voltage Enable/Disable, GAIN, OFFSET, MONITORING features
- Screw In Terminal Connectors, No Soldering Needed
- Suitable for Capacitive Load like Piezo or Resistive Load
- Metal Case with Bumpers
- Active Cooling
- All RoHS Components

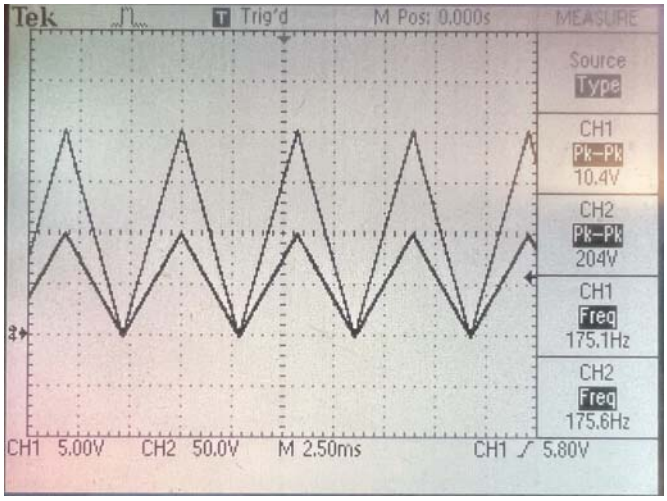
SPECIFICATIONS

Power Supply	+24V
Modulation Input	Analog Input 0-10V, offset adjustable, 0.94uF load max 120Hz Triangle Wave within driving current limit
Voltage Output	0-200Vpk-pk (3% max offset)
Max Output Current	± 45 mA with 0.94uF load
Cooling	Active
Operating Temperature	-20 – 35 C
Dimensions	55mm x 130mm x 200mm
Max Load	Within max current load limit, capacitive or resistive
Bandwidth with resistive load	10KHz 0-10V Sine wave Input/100Vpp Sine wave Output

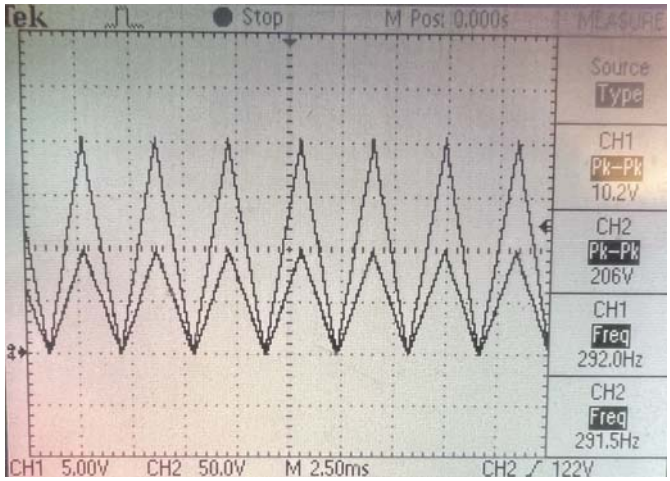
Sample Results:



0.94 uF Capacitive Load with 120Hz Triangle Wave, 200V Output



0.47 uF Capacitive Load with 175Hz Triangle Wave, 200V Output



0.47 uF Capacitive Load with 292Hz Triangle Wave Input, 200V Output

Calculate Driving Current:

1. Modulate with Triangle Wave

$I = \pm 2*f*C\_load*Vpk\text{-}pk$

For example, the max current for 120Hz triangle modulation on 0.94uF load, 200Vpk-pk equals: 2*120*0.94e-6*200 = ±45mA

PANEL WIRING SPECIFICATIONS	
24VDC	+24VDC Power Supply, RIGHT PIN +; LEFT PIN return
ENA	EN: float or GND DISABLE: SHORT
CHAS	METAL ENCLOSURE, NO INTERNAL CONNECTION
FUSE	5AMP, Consult Factor Before Replace

Quotation on order of large quantity:
Email: smartsensinginternational@gmail.com
Telephone: 978-494-0802 msg