

**Kenyon Laboratories**  
12 Scovil Rd.  
Higganum, Ct. 06441  
860-345-2097 / 800-253-4681  
www.ken-lab.com  
kenyonlabs@comcast.net

**Gyro Assembly Quality Procedure**  
**DWG #: 900198**

- 1) Motors and rotors machined and ground to within .0001 ✓
- 2) Motors tested to proper ohm reading after winding and hookup with ground check ✓
- 3) After rotor is pressed into wheel and rehone to spec, assembly of rotor, motor & bearings are hooked up, the following tests were performed:
  - A) Low voltage test 90Vac - 400Hz to test for free running low start (slot lock) ✓
  - B) While balancing to 1/10th of a gram/wheel was run at high voltage 155Vac 400Hz for approximately 3 hours or more ✓
  - C) After gyro wheels were assembled in gyro frame, unit was tested at both low voltage 90Vac & high voltage 155Vac for balance running and shorting ✓
  - D) After end caps were glued on, gyro was pressure tested to 120 psi for leaks, then evacuated and helium was induced to 10" (mercury) ✓
  - E) Completed gyro was then run up to speed before cord was attached and tested again at low & high voltage for approximately 1 hour ✓
  - F) Power cord soldered on and tested for shorting, gyro tested with test inverter for low voltage start and high voltage run 16Vdc - 155Vac for 1 hour ✓
  - G) Gyro locked in cabinet approximately one week, then tested again for helium leaks, low voltage start, high voltage run and shorting ✓
  - H) Gyro tested with new inverter at 16Vdc - 155Vac for shorting, low voltage start and high voltage run for approximately 1 hour ✓
  - I) Gyro serial number assigned and stamped on name plate, test report generated with serial numbers and amp reading at 12 Vdc ✓

**Kenyon Laboratories Gyro Serial Number**

1312CX680E

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**Inverter Assembly Quality Procedure**  
**DWG #: 900199**

- 1) **Toroid machine wound and tested by Newport Magnetics to conform to all specifications, drawings and requirements of Kenyon Laboratories** ✓
- 2) **Toroid tested at Kenyon Laboratories for shorting, low voltage 10.5 vdc high voltage 16vdc** ✓
- 3) **Circuit board is assembled with approved components, toroid soldered to board and the whole assembly tested for shorting, low and high voltage power with gyro under load to 5 amps** ✓
- 4) **Completed circuit board assembly installed in approved enclosure and tested for shorting, low and high voltage power ratings** ✓
- 5) **Completed inverter tested with new gyro for shorting, low and high voltage power ratings for approximately 1 hour at normal load** ✓
- 6) **Completed inverter tested again with new gyro before products are delivered to customer** ✓

# *Declaration of Conformity*

*in accordance with ISO/IEC 17050*

DoC # 900200

Manufactured & Distributed by:  
Kenyon Laboratories, LLC  
12 Scovil Rd.  
Higganum, Ct.06441

**Kenyon Gyrostabilizer**  
**Model : KS - 8x8 Kit**  
is compliant with the CE directives and standards  
listed below

**Directives:**

Electromagnetic Compatibility (2004/108/EC)  
Low-Voltage (2006/95/EC)

**Standards:**

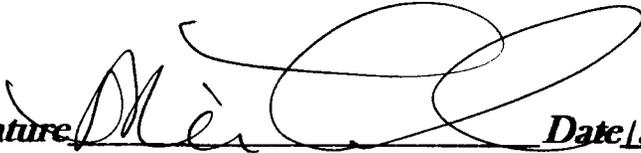
EMC: EN 61326-1:2006 Industrial  
Safety: EN 61010-1:2001

*This product was tested by an ISO 17025 accredited laboratory*

**By:**

Monica Nowosadko

Signature



Date 12/18/13

**Ron Denman**

**Owner**

**Kenyon Laboratories, LLC**  
**USA**

