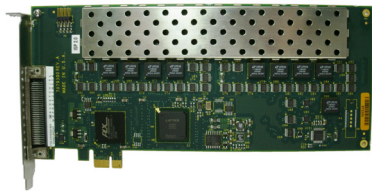


Universal Exhaust Gas Oxygen (UEGO) Sensor Card

Concurrent Real Time's UEGO is a 4-channel Universal Exhaust Gas Oxygen Sensor simulator card with a PCI Express interface that is ideal for high-performance hardware-in-the-loop (HIL) simulation and test applications. It will allow a software simulation to control the operating feedback parameters as if an O₂ sensor was connected to an engine control ECU. It can simulate both wide band and narrow band O₂ sensors. There is galvanic isolation for each channel pair. In addition, each channel can monitor the O₂ heater drive pulse code modulated (PCM) signal for proper feedback of the sensor temperature. O₂ sensor signals have open, ground and positive voltage fault insertion capability.



UEGO Sensor Card

More Information:

concurrent-rt.com
wiki.simwb.com
info@concurrent-rt.com
800.666.4544
954.974.1700

FEATURES:

- 4-channel O₂ Sensor Simulation
- Wideband or Narrowband Sensors
- Heater PCM Monitoring
- Open, Ground and V+ Fault Insertion
- Galvanic Isolation Per Channel Pair
- Input Protection +/-50 VDC
- On-Board Test ASIC
- Industry Standard SCSI 68-pin Connector for I/O
- PCI Express x1 Revision 1.0a

SPECIFICATIONS:

PACKAGING

Full Height, PCI Express 3.8" high, 9.5" long

POWER REQUIREMENTS

Less than 25 watts (3.3VDC @ 1.5 Amp, 12VDC @ 1 Amp)

ENVIRONMENTAL

Operating Temperature: 10° to 40° C
Storage Temperature: -40° to 65° C
Relative Humidity: 10 to 80% non-condensing
ROHS Compliant

ORDERING INFORMATION:

Visit concurrent-rt.com to contact your nearest representative.

Catalog Model Numbers:

- CP-UEGO-4**
4-channel Universal Exhaust Gas Oxygen (UEGO) Sensor Simulator PCIe Card
- WC-UEGO**
Driver for RedHawk™ Linux®
- ICS-SWB-1283**
SIMulation Workbench I/O License

Cabling Options:

- CX-CBL-HSI-68-03**
3-foot cable
- CX-CBL-HSI-68-06**
6-foot cable
- CX-CBL-HSI-68-10**
10-foot cable
- CX-CBL-AIO-BRKF**
Breakout Module