



The Goebel Company announces HDAO for a variety of analog output, including thermocouple output and waveform generation. HDAO has 8 channels of variable range output. The low range provides outputs suitable for highly accurate thermocouple simulation. All ranges provide on-board generation of signals i.e. wave form generation, as well as traditional analog outputs. Goebel's HDAO card is a new generation of analog output providing versatile use cases on a single card.

HDAO is designed from the ground up for high accuracy and versatility. Designing HDAO specifically for accuracy and versatility makes a host of new features possible. Our unique wave form generator provides accurate representation of low frequencies from zero to 50KHz.

The next generation versatile analog interface

HDAO features

- Supports 8 channels of variable range outputs.
- High accuracy achieved by dedicated DC-DC converters for each channel.
- Outputs stable across varying temperatures.
- Each channel configurable for function.
- Thermocouple function supports B, E, J, K, N, R, S, T thermocouple types.
- Waveform generation supports sine wave or user specified wave form.
- Waveform generation support continuously variable Hz rate from zero to 50K Hz.
- On board calibration data automatically applied.
- Software updatable FPGA for custom functions.
- Hardware range support for +- 100 mV, +-1V, +-5V, +-10V.
- Hardware clipping of exceeded voltages.

HDAO software

- Drivers for Windows or Linux.
- Driver API provides simplified intuitive control.
- Fully qualified on Honeywell TIU/VCTE software.
- Software range specification and enforcement independent of hardware ranges
- Goebelyzer/Gtools software available for GUI control of card functions.
- Gtools configuration of card functions.
- Gtools real time control of card functions.

Ordering information:

Part number	Description
GIO-HDAO-P8	Full length universal PCI card, including drivers for Windows 7/XP and Linux
GLYZR-GTHDAO	HDAO card plus Goebelyzer-Gtools software for signal generation. Note: requires Goebelyzer base hardware/software. Note: Goebelyzer-Gtools is Linux only.