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NEWS
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Better Solutions for GPIB and VXIbus Systems

NEW SERIAL DATA ACQUISITION AND CONTROL BOARD
ANNOUNCED BY ICS ELECTRONICS

MILPITAS, CA, June 16, 2000. Today ICS Electronics announced a new serial Data Acquisition and Control Board for OEM applications. Designated the Model 2307, this new board provides the user with analog and digital signals for controlling devices and the ability to read back analog inputs, digital inputs and temperatures. The 2307's serial interface has selectable RS-232, RS-422 or RS-485 signals and supports point-to-point or network connections. Applications include controlling systems such as Traveling Wave Tube Amplifiers or collecting data from a test chassis.

The Model 2307 is a Serial Data Acquisition and Control Board that can be used to control a wide range of devices over a RS-232, RS-422 or RS-485 serial link. The 2307 has 32 digital I/O lines, 6 relay driver outputs, 6 analog outputs, 6 analog inputs and 4 thermocouple inputs. The 32 digital lines are high-power TTL lines with pullups that can be configured as inputs or outputs in 8-bit bytes. The relay driver outputs sink up to 300 mA and have reverse voltage suppresion diodes. The analog outputs are programmable from 0 to +5 Vdc. The analog inputs have four programmable ranges from ± 10 Vdc down to 0 to +5 Vdc. Resolution in 1 part in 10^{12}. The four Type J thermocouple inputs measure temperatures from -100 °C to +400 °C.

The 2307's SCPI command parser and IEEE-488.2 Status Reporting Structure provides GPIB like functionality over a serial link. Controlling the 2307 is similar to controlling any GPIB device. The 2307 accepts SCPI commands (**S**tandard **C**ommands for **P**rogrammable **I**nstruments) or short form commands to control its I/O functions. It also responds to all of the IEEE-488.2 common commands such

as *IDN? in the same manner as a GPIB device.

The 2307's serial interface can be configured for operation on a RS-232, RS-422 or RS-485 serial link. The 2307 supports point-to-point or network operation. Up to sixteen 2307s can be addressed on a single RS-422 or RS-485 network. The 2307 also includes a packet protocol for operation in harsh environments or whenever a user requires confirmation that the commands were received and understood.

The 2307 is designed as a low cost Data Acquisition and Control Interface for OEM applications. The unit is a small 4.5 in x 5.5 in board that can be mounted anywhere in the host chassis and uses less than 300 mA of regulated 5 Vdc power. The 2307's connectors have metal shells and screw locks to maintain secure connections in airborne environments.

Delivery is stock to 3 weeks ARO. Prices start at $ 495.00 including documentation and example programs.

ICS Electronics is a pioneer and leader in the design and development of IEEE 488 Bus support products and VXIbus products. The ICS has been supplying GPIB and serial interfaces for over 20 years and the 2307 is the first in a series of new data acquisition products.

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