Anthelion Systems, Inc.

Nano Instrumentation Interface Smart Card

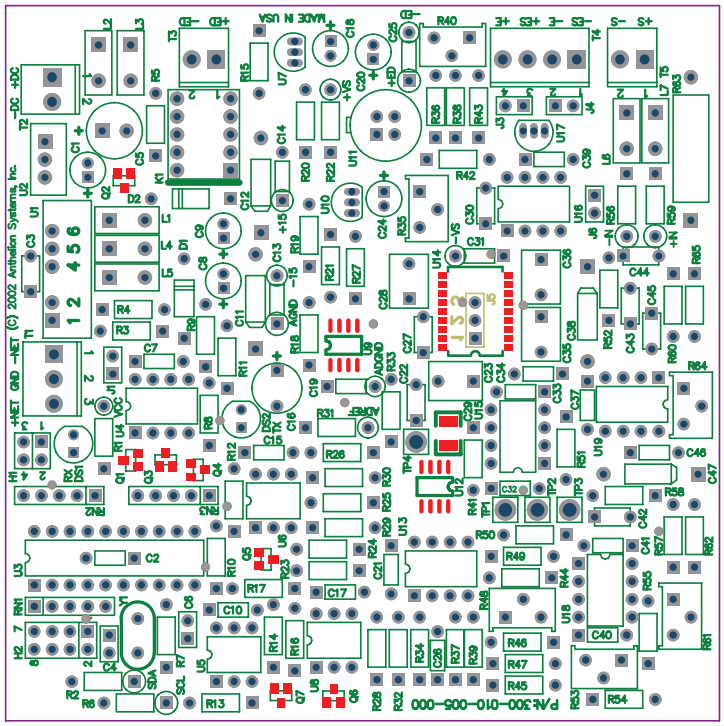
The next generation of low cost, high performance, data acquisition products are now available Anthelion Systems. The Nano series will solve your company's cost and performance dilemmas.

Our "smart" devices utilize the latest technology in Micro controllers. They provide a great balance between price and performance. The cards were designed to withstand harsh environments with the result being outstanding durability, reliability and accuracy. They utilize the standard ModBus binary protocols for communication to allow for their data to be retrieved by standard off the shelf Data Acquisition Software.

The Nano Series Instrumentation Controller Card is a smart subsystem with one channel of high accuracy measurement. It utilizes a delta sigma 24 bit A/D which is optically isolated. The card controls the powering of the transducer during measurement. It can supply high accuracy excitation voltage (nominally +10.000 VDC) to the transducer. The excitation can be a 2 or 4 wire interface. The card has 4 user programmable shunts to set the card's address (0 to 15). on to fit your companies growing needs.

Applications:

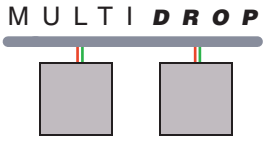
- Load Cell 2mv/Volt DC or 3mv/Volt DC.
- Pressure Transducer 2mv/Volt DC or 3mv/Volt DC.
- Any transducer that requires excitation voltage and outputs mv/volt DC.



Other Features:

Watch Dog timer

- Size: 4" X 4"
- Brown Out monitoring.
- Low power consumption
- System clock up to 20 Mhz
- RS485 with on board termination and optional Transmit and Receive LED's.
- Operating Temperature Range: -20 to 70° C
- System Power Requirement: +6 to +12 VDC



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LOW COST HIGH PERFORMANCE DISTRIBUTED SYSTEM SOLUTION.

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