New Version of “Remote Intelligent Data Acquisition and Control System” Offers a Low Cost Turnkey Package for “No Programming” Temperature Monitoring

SAN DIEGO, CA—September 28, 2001—ACCES I/O Products announces the latest addition to its line of low-cost remote intelligent I/O pods, the RIDACS TM Series—a turnkey temperature monitoring package for laptop or remote applications. The RIDACS TM Series requires no programming because it integrates application software, sensors and connectors with RIDACS’ remote intelligent analog-to-digital converter for a complete, low-cost, full-featured system. Typical remote data acquisition applications include furnace, boiler, cylinder exhaust temperature monitoring and others.

The RIDACS TM Series is very easy to install. At setup, users need only connect hardware and thermocouples, install the PCMCIA RS-485 cards, select preferences and file names, and the system is ready for use. Sampling speeds are selectable from twice per second per channel, down to once per channel every five seconds.

The 16 (RIDACS-TM16-TC) or 32-channel (RIDACS-TM32-TC) system package (with onboard cold-junction compensation) includes:

- RIDACS NEMA interface box with screw terminals for thermocouple connection and 115VAC power supply,
- 16 or 32 Type K thermocouples and 20’ fiberglass extension cables (other t/c types are supported, consult factory),
- PCM485 serial communications card that plugs into a laptop’s PCMCIA drive,
- 50’ serial data cable
- Windows 9x/NT/ME application software that displays bar graph data as it’s collected, then logs to a .csv file for opening in Microsoft Excel or any spreadsheet program.

RIDACS remote intelligent I/O pods allow users to install a variety of interfaces and control outputs close to the sensors and controllers. Communications with a host computer are made possible via a two-wire, multi-drop, high-noise-immunity serial communications network. Remote communications up to 4,000’ (1219m) between RIDACS pods and any host computer with an RS-485 port are possible, though the system will also connect to a computer with an available RS-232 port using ACCES I/O Products’ CONV232/485 serial data converter option. Lower cost systems without thermocouples are also available; specify RIDACS-TM16 ($1595) or RIDACS-TM32 ($2095).


Price: $3595 (RIDACS-TM16-TC); includes complete documentation and software
$5995 (RIDACS-TM32-TC); includes complete documentation and software

Availability: Now
Delivery: 1-4 weeks ARO
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