

Products: Data Acquisition

16-bit analog modules



IDEC Corp. has announced two analog expansion I/O modules for its MicroSmart and MicroSmart Pentra PLCs that offer 16-bit resolution. An 8-channel 0 to 10 Vdc/4 to 20 mA input module, as well as a 2-channel -10 to 10 Vdc/4 to 20 mA output module are available. The modules snap on to the right side of MicroSmart CPU modules without extra cables.

idec.com

Info Card 368

Inspection sensors for parts



Cognex Corp. has announced the Checker 200 series of inspection sensors. The inspection sensors offer built-in lighting, variable working distance, and high-speed inspection capability at rates faster than 6000 parts/min. Even on the fastest production lines, Cognex says, Checker can inspect multiple part features and deliver reliable, precisely timed, pass/fail results. The sensors can detect parts by finding an actual feature such as a product graphic and check features that other sensors cannot, such as a code printed on a label.

cognex.com

Info Card 369

Mini PCI fieldbus cards



Beckhoff Automation has released Mini PCI fieldbus cards for PROFIBUS, CANopen, DeviceNet and Ethernet networks. When using Ethernet Mini PCI cards, industrial PCs contain a third available Ethernet port with 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s communication. While the 100 Mbit/s Ethernet port offers optimum performance for all EtherCAT control tasks, a gigabit port is can also connect to higher-level networks.

beckhoffautomation.com

Info Card 370

Smart HMI with display

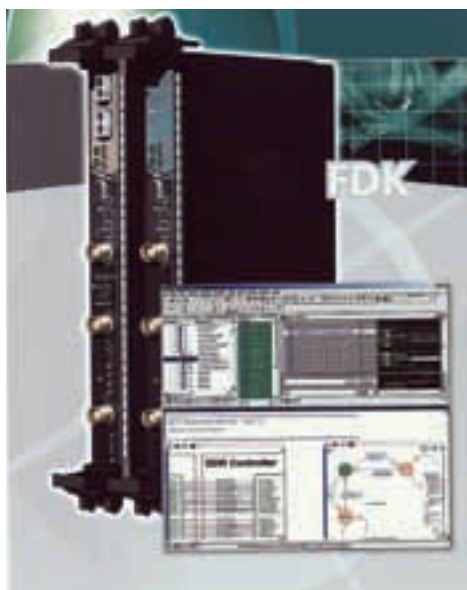


The ifm efector PDM 360 Smart Human Machine Interface (HMI) with graphic display is a user interface designed to display system messages in mobile machines. The 2.5 in. integrated graphic display (128 x 64 pixels) is capable of displaying both text and visual elements associated with an application program. Twelve back-lit function keys are used for data entry and handling. The diecast-zinc housing is rated IP67 and is suitable for surface or panel mounting in outdoor applications and vehicle cabins.

ifmefector.com

Info Card 371

Firmware development kit



Acqiris, an Agilent Technologies company, has introduced a firmware development kit that is said to simplify application development on the embedded FPGA of the company's SC240/210 streamer analyzers and AC240/210 signal analyzers. The FPGA design kit expands the capabilities of Acqiris streamer analyzers and signal analyzer cards, which are targeted for real time signal acquisition and processing applications such as radar, electronic warfare, lidar, industrial process control and physic beam control.

acqiris.com

Info Card 372

LabVIEW SignalExpress



National Instruments has announced NI LabVIEW SignalExpress, an extension of the LabVIEW graphical system design platform, for acquiring, analyzing and presenting data without programming. SignalExpress is interactive measurement software with a drag-and-drop environment to manage measurements and signals from more than 400 stand-alone and modular instru-

ments. The extension is said to eliminate tedious off-line analysis with real-time analysis, which engineers can accomplish while acquiring data. Users also can publish measurement and analysis results in customized reports.

ni.com/signalexpressaval

Info Card 373

Flow rate monitoring



Compact MS6-SFE modular flow sensors from Festo can operate as a stand-alone device or in combination with the service units of the MS series using the company's V-clamp system. An LCD display provides absolute flow data and threshold values, as well as a convenient means of adjusting the switching point. Measuring range is from 200 to 5000 L/min.

festo.com

Info Card 374

Embedded Internet control

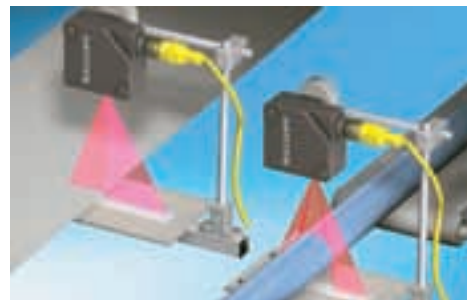


Omega has introduced a line of instruments for DIN rail mounting. The compact iDR series signal conditioners and PID controllers and can connect directly to a LAN and can serve Web pages over the Internet. The devices are configured with a handheld programmer iDRP, or from a computer with an Ethernet, RS-232, or RS-485 connection. The universal signal input covers 10 thermocouples, 100 and 1000 ohm RTDs with 2, 3, or 4 wire connections, process (dc) voltage, current, and strain gauge inputs.

omega.ca

Info Card 367

Photoelectric line sensor



The BOL 27K measuring line sensor from Balluff can detect product width, edge detection, hole location and web loop tension. With both discrete and analog outputs, the retroreflective photoelectric sensor projects a measuring line of light on to a strip of special reflective tape which it uses to measure and locate key attributes of an object. For objects that are more than 150 mm wide, two units can be used in concert to provide the measurement. Resolution is to 0.15 mm.

balluff.com/linesensor

Info Card 375

Safety position encoders



Heidenhain Corp. can supply encoders with an EnDat 2.2 transmission component (a digital, bi-directional interface) in order to be a part of a safe drive. With this encoder/interface combination, the company says, machine and plant manufacturers can now have all the benefits of serial data transfer, such as optimization of costs, diagnostic possibilities, automatic commissioning and rapid formation of the position value in safety-related applications.

heidenhain.com

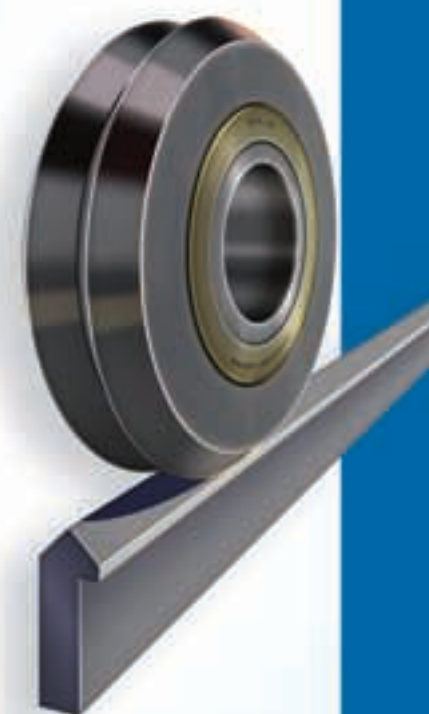
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