DIGITAL
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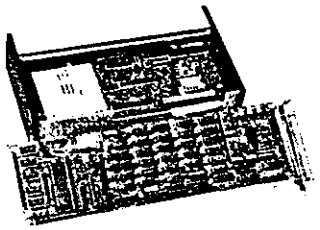
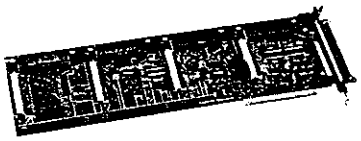
The Data Acquisition Professionals

LAB MASTER SCIENTIFIC SOLUTIONS



KEY FEATURES
- 125 KHz Analog Sampling
- 16 Analog Channels
- 2 DAC's
- 24 Digital I/O Lines
- 5 Timer Counters

BASE BOARD SCIENTIFIC SOLUTIONS



KEY FEATURES
- 96 Lines Of TTL Compatible Input/Output
- I/O Lines Programmable In Sets (Ports) Of 8
- Four Ports Can Be Used As Bi-directional I/O
- Supports Hardware Interrupts
- Optional Plug-in Opto-isolation Modules

DISTRIBUTORS FOR:
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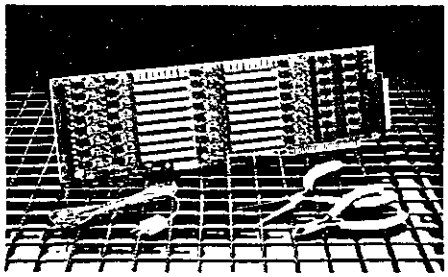
For further information,
Circle VIP No 63

New Products: Data Acquisition & Control

Signal-conditioning board



The $2495 TC-16 plugs into an XT slot and eliminates the need for external signal conditioning panels. The unit's 16 channels accept a variety of thermocouples (E, J, T, K, R, S and T types) for ranges of -35 to 450°C or -70 to 900°C and also features 1000V isolation, cold-junction compensation, thermocouple linearization, accuracy better than 1°C. The unit then feeds its analog signals to virtually any PC-based A/D board for digitization.
Onsite Instruments (Mt View, CA (415) 964-9800). **Circle VIP No 104**

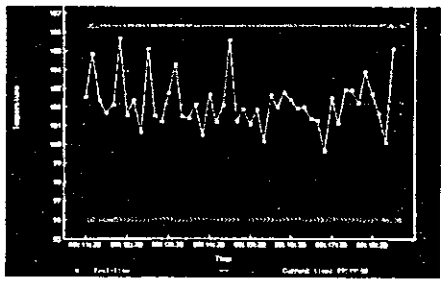
Industrial Trackball

Because they don't require the desk space of a mouse, trackballs make popular pointing devices in industrial settings. Commercial units, though, can be easily damaged by direct impact, shock, chemicals or solvents. A $295 version of the Mouse-trak trackball, though, uses a 5% glass-filled Xenoy thermoplastic—the same material used in bumpers on some automobiles—that resists chemicals and withstands high impacts. That plastic alloy along with added material on posts and supports creates a case that meets Mil-STD-167 for shipboard shock and vibration, and it's strong enough that you can drive a car over it with no ill effects. Further, a conformal coating over all electronics creates a watertight seal that allows the unit to operate normally in underwater tests. Finally, double shielding on the connecting cable not only holds down on EMI effects but also adds mechanical strength.
Itac Systems Inc (Garland, TX (214) 494-3073). **Circle VIP No 105**

EISA A/D cards

A family of analog input boards for the EISA bus supports 32-bit DMA, buffer chaining and onboard FIFO data buffering and thus achieves sustained rates at the units' full-rated bandwidth. Priced from $2995 to $3995, available models include: the AD-402, four channels with sampling at 2MHz/channel; the AD-205 with two channels at 5MHz each; and the AD-110, a single-channel 10-MHz board. All feature 12-bit resolution, and you can set the sampling rates of each channel individually. Included in the price is a turnkey program for continuous acquisition and storage at the maximum transfer rates plus a driver for integration into user applications.
Analog Digital Technology (Thousand Oaks, CA (805) 371-5761). **Circle VIP No 106**

SPC software



Consisting of an add-on package for National Instruments' Measure (which reads data from external interface hardware into Lotus 1-2-3), SPC Orchestra Real-Time Worksheet automatically updates statistical control charts based on information being acquired from RS232-based field instrumentation. The $595 add-on also recalculates statistical control limits without stopping the process; switches between a Shewhart range chart, Cusum chart or an X-bar chart with an on-screen button; and automatically archives data to disk at programmable time intervals. In terms of SPC functions, it calculates summary statistics such as the average and standard deviation of archived datafiles or the cumulative deviation from target. This parameter approximates the area between a process variable trend line and the target for that process. In addition, it generates Parteo charts, histograms and control charts for attributes (p, np, u and c).
DA Martin Software (Knoxville, TN (615) 675-6488). **Circle VIP No 107**

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1310 Tully Rd STE 115
San Jose CA 95122

ADVERTISING INVOICE (X) 5/1/91

AD CONFIRMATION ( ) 4/7/91

PAYMENT DUE: May 31,1991
ADVERTISER: Digital Distibutors
AGENCY,IO#,PO#: verbal
AD DESCRIPTION: repeat March'91
SPECIAL REQUIREMENTS:

ISSUE/YEAR: May'91
FREQUENCY RATE: 12x
INSERTION SIZE: 1/3
COLORS: b/w

PAGE RATE:	$	1520.00
COLOR CHARGE:		
POSITION CHARGE:		
SUBTOTAL:	$	1520.00
AGENCY FEE -15%:		228.00
NET AMOUNT DUE:	$	1292.00,

PREVIOUS BALANCE: $

TOTAL AMOUNT DUE: $ 1292.00
(TERMS 30 DAYS)

Please make check payable to PEC INC.
Please send payments to Ad Accounts Mgr. at NATIONAL SALES OFFICE.

PAST DUE INTEREST FEE 2% PER MONTH (24% ANNUALLY) ON UNPAID BALANCES OVER 60 DAYS.

Thank you,
Clara Morgan
Advertising Accounts Manager

CREDIT

SCIENTIFIC SOLUTIONS REQUEST FOR CUSTOMER CREDIT

CCR # _____ Sales Order # _____

Date: 7/16/91 Sales Order Date: _____

Requested By: ER Invoice # _____

Customer # 01700-1

Customer Name and Address:

Digital Distributors
2808 Soquel Avenue
Santa Cruz, CA 95062

Contact: Bobbi Bennett

Phone: 408-479-5432

Product #	Item Description	Quantity	Unit Price	Total
	Co-op Advertising	1		$1292.00
	PE+I May 91			
	issue			

SUB TOTAL	1292.00
Cancel/Re-Stocking Charges	
Adjustment Factor (To be computed by Credit Manager)	
TOTAL	

Reason Code _____ Explanation: Co-op Advertising funds

ALL CREDITS: **APPROVALS**

_____ Credit Manager

_____ Sales Manager
7/16/91

_____ Return Instructions Sent