

DataLog™

The Right Tool for the Job!



C-Programmable Data Collection Terminals

The Acroprint DataLog combines the flexibility of a RAM based data collection system with the versatility of programming in "C" language. Operating changes can be made by simply downloading your program into the random access memory of the terminal.

Flexible for any data collection need, from simple job costing to complex time and attendance and shop floor control applications.

Sample Applications:

- Time and Attendance
- Job Tracking
- Inventory Control
- Controlled Access
- Material Tracking
- Machine Monitoring

Flexible Data Collection Tool

Simple Application Control

- Programs can be written using ANSI "C" standard PC based software tools.
- Sixteen individual assignable keys can be customized to match the application.
- Operates on AC or DC with a wall mount transformer.

User Friendly

- Standard 2 line by 20 character liquid crystal display.
- Backlit display (optional).
- Positive audio feedback.

Versatile

- Internal through the slot bar code reader.
- External bar code wand interface.
- RS232, RS485, modem communications options.
- Serial and Parallel printer interface.
- Two serial and one parallel port for multiple configurations.
- Digital input/output port.

Powerful Electronics

- Fast, low powered CPU with direct memory access.
- Real time calendar clock.
- Up to 256K of battery backed RAM.

Downloadable Self Diagnostics

- Badge Reader Test
- Display Test
- Keyboard Test
- Audio Test
- RAM and ROM Test
- Printer Test

Designed for Tough Industrial Conditions

The DataLog is built to withstand abuse, with the sealed keyboard and the polycarbonate/ABS flame retardant plastic enclosure. The I/O ports are all protected with an access door to ensure consistent connections in all applications. A reversible mounting bracket enables you to mount the terminal on the wall or use it from a desk. A bolted access door ensures an extra measure of security.

The Z-180 microprocessor handles data with ease, relieving the host computer from the number crunching and application routines. Data and program can be stored in either 32K, 64K, 128K or 256K of RAM that has a lithium battery to provide up to 10 years of data retention in the event main power is lost.

Input Devices and Ports for Every Need

- 16 key programmable keypad.
- Internal magnetic card reader track 2 ABA for reading standard "credit card" format.
- Internal bar code reader for either visible or infrared bar code.
- 6 pin DIN port for an optional external bar code Wand.
- Serial Port: RS-232 using 6 position (4 contact) RJ-11 modular connection.
- Serial Port: RS-485 (Local Area Network) using RJ-11 modular connection.
- Parallel Digital Data I/O Port: 25-pin DB connection.

Model Chart

Models	RS232	RS485	2400 baud internal modem	magnetic stripe	barcode visible	barcode infrared
D - 1	•	•		•		
D - 2	•		•	•		
D - 3	•	•		•	•	
D - 4	•		•	•	•	
D - 5	•	•		•		•
D - 6	•		•	•		•

Product Specifications

- **General Architecture:** "C" programmable data collection terminal with Z180 microprocessor, real time calendar clock, integral key board, display, badge reader and communications interface.
 - **Display:** 2 line by 20 character Supertwist LCD (alpha numeric). *Backlit LCD and vacuum florescent.
 - **Keypad:** 16 key, full travel, numeric and alpha numeric, 4 rows x 4 columns. All keys are programmable. *16 and 20 key custom keypads.
 - **Memory:** Up to 512K configuration memory.
 - **Power:** 120/240V, 50Hz/60Hz wall mount transformer 9 volt AC, 500 mA minimum. *9 volt DC, 230V European, 240V British and 239V Parallel Blades.
 - **Battery Capabilities:** Internal Lithium Battery retains data and powers the real time clock for up to 10 years.
 - **Media Input:** Magnetic Stripe Card Reader (ABA II); Bar Code Reader, Code 39, 2 of 5 interleaf (visible or infrared); External Bar Code Reader; Wand; Alpha Numeric Keypad.
 - **Communications:** RS-232, RS-485 2-wire single terminal or multi-dropped protocols (LAN). Internal 2400 baud modem. *External modem.
 - **Printer Connection:** Serial port RJ11 Modular, Parallel port 25 pin DB.
 - **Bell/Access:** 6 pin DIN connector.
 - **Operating Temperature:** 0 to 49 degrees Celcius; 32 to 110 degrees Fahrenheit.
 - **Humidity:** 0 to 95% relative humidity, non-condensing.
 - **Enclosure:** Flame retardant Polycarbonate/ABS, w/reversible wall mounting bracket and secured access door that protects I/O ports.
 - **Dimensions:** 8.7 in. (23 cm) wide x 6.1 in. (16 cm) tall x 2.3 in. (6 cm) deep.
 - **Shipping Weight:** 4 lbs. (1.85 kg).
- *Denotes Options Available