

HAND-HELD TERMINALS

1700

Benefits:

- **Modular design enables controlled expansion**
- **Large display presents maximum information**
- **Rugged design stands up to harsh or hazardous environments**
- **MS-DOS-compatible environment**

The modular design of the Intermec 1700 Hand-held Terminal offers tremendous flexibility to meet your changing needs. You can start with batch data collection and upgrade to RF with UHF—for large coverage areas—or Spread Spectrum Transmission (SST) for exceptional transaction speed and fault tolerance. Then you can add charged coupled devices (CCD) and laser scanning too. The rugged design of the 1700 protects it against harsh environments and even 5-foot drops to concrete.

The 1700 also offers several features that make it easy to operate, including:

- Four ways to trigger single-handed scanning for comfortable operation
- A large display to support applications that require large amounts of information. Display adjusts from 8 lines x 16 characters, to 21 lines x 26 characters or 16 lines x 30 characters.
- A black-on-white liquid crystal display (LCD) for sharper characters and an electroluminescent backlight for excellent readability in low light environments.
- Advanced battery technology that keeps the 1700 working beyond a typical shift without recharging



With “plug and play” terminal emulation and integration with most popular network protocols, the 1700 enables you to work easily with host data from all over your facility. And because you can develop your own applications using standard off-the-shelf tools, such as Microsoft C, you can test your code on a PC before loading it on a hand-held terminal.

1700

Physical characteristics

(Radio and battery included)

Length: 24.77 cm (9.75")

Width: 3.49 cm (1.375")

Height: 6.68 cm (2.625")

SST: 27.94cm (11")

External antenna length: 5.08 cm;
UHF non-integrated (2")

Weight: UHF - 765 g. (270 oz.)

SST - 879 g. (31 oz.)

Display: Black-on-white liquid crystal display featuring 8, 10, 16, or 21 lines x 16, 21, 26, or 30 characters with backlight and annunciators, plus full bit-mapped graphics capability.

Keyboard: Elastomer 57-key or 37-key alphanumeric, including a scanner key

Environmental

Drop survival: Designed to withstand multiple 5-foot drops to concrete

Operating temperature: 0° to 50°C (32° to 122° F); optional heater for -30°C (-22°F)

Storage temperature: -30° to 70°C (-22° to 158°F)

Humidity: 10% to 90% noncondensing

Altitude: To 3,048 meters (10,000 ft.) above sea level

Rain and dust: Sealed against rain levels up to 1" per hour and dust (any orientation); sealed module option must be selected)

Electrostatic discharge: Designed to withstand up to 20 KV for Class C products

Shielding: Conforms to FCC Part 15 for Class B computing devices

Optional Intrinsically Safe rating: ANSI/UL 913, Intrinsically Safe Apparatus for Use in Hazardous (Classified) Areas, Class 1,2,3; Division 1,2; Group C, D, E, F, G

Hardware

Two 16-bit microprocessors

Power

Battery cells: Custom rechargeable NiCad pack rated at 900 mAh. Optional 1100 mAh NiMH pack for extended operation

Voltage: 7.2 VDC (nominal)

Normal recharge: 2 - 3 hours in terminal; 2- 3 hours external

Battery pack life: At least 500 discharge/charge cycles

Low battery indicator: Visual annunciator on the LCD

Charging sources: AC adapter-type single terminal chargers and multi-battery pack chargers available.

Memory

ROM: 512K masked plus 512K flash

RAM: 512K pseudo-static RAM

Annunciators

Graphical, reserved for the right column, plus LEDs for scanning and good read with integrated scanners.

Operating data communication

Peripheral/Host direct connect interface: 6-pin mini-DIN and surface contacts for RS-232 devices as well as powered vehicle mount support.

Programming cables: 9-pin and 25-pin RS-232 cables with a "Y" connection for attaching to the NC 1100/1700 programming power supply and the terminal's 6-pin mini-DIN connector.

Data cables: 9-pin and 25-pin RS-232 coiled and straight cables for connecting the 1700 terminals or CA11X0 and CA17X0 powered vehicle mounts to RS-232 asynchronous devices

Software

Terminal emulations: 3270, 5250, VT220, and Native Mode (Async)

Application support: Microsoft C and Application Development Kit C libraries.

RF scanner options

Radio module: Patented self-contained, interchangeable radio module with built-in receiver self-test

Optional modules: UHF; SST, or no radio, with or without integrated laser (VLD) or CCD (UHF only) scanners

Scanner interface: 9-pin D-subminiature connector for interface to 5-volt scanning peripherals (with built-in scanning self-test)

Accessories

Belt clip, carrying cases, 1700 scanning handle, holster, 1700 wall charger, battery pack chargers, powered and non-powered vehicle mounts

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