

TopGun®

Portable Data Terminal



Features:

- Integrated laser scanner
- 16-bit proprietary operating system
- Memory expandable to 2MB
- 4 x 16 LCD
- Lightweight, compact design
- Easy to upgrade
- Easy-to-use Windows®-based programming tool
- Floating point math
- Wildcard field search and verification
- All supported symbologies loaded
- Larger applications supported (up to 64K)

TopGun®: Portable Scanning and Data Collection

Scanning bar codes on flat, curved, or irregular surfaces at distances from 2.5 to 36.0" / 6.0 to 91.0 cm is easy with TopGun®. It's rugged one-handed design gives you durability, reliable performance, and freedom of movement, even in the most demanding industrial work environments. TopGun® consists of a PT 2000® portable data collection terminal integrated with a TopGun® laser module. Weighing 16 oz. / 480 g, including three AA batteries, TopGun® is lightweight and easy to use. It operates like any other handheld laser – just aim it and pull the trigger.

TopGun®'s balanced, ergonomic design quickly adapts for either right- or left-handed use. The unique modular construction of the TopGun® laser module allows you to upgrade your existing PT 2000® in seconds! LEDs located on the back of the scan head indicate laser activation and good reads. An audible tone also indicates scanning success.

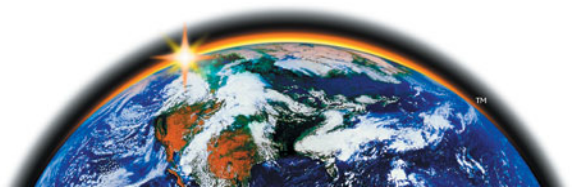
TopGun® is a cost-effective integrated laser scanning solution. It provides all the features of the PT 2000® and the convenience of one-handed, portable scanning combined with the speed and accuracy of laser input. Add the PT Dock for data transfer and battery recharging and you have the answer to all your portable needs.

PT Dock

Designed specifically for use with the PT 2000® or TopGun®, the PT Dock provides a connection between your PSC portable and your computer without sacrificing the convenience of portability.

The PT Dock allows you to transmit data to and from your host system, using serial or keyboard wedge communications. The PT Dock also recharges your NiCad battery pack and lithium backup battery.

Ask your PSC representative for more information on PSC software products.



PRODUCT and SYSTEM

Mechanical

Dimensions

TopGun®

Length: 9.0" / 229 mm
 Width at grip: 2.9" / 74 mm;
 4.0" / 102 mm (maximum)
 Depth: 1.8" / 45 mm (maximum)

PT Dock

Length: 6.1" / 155 mm
 Width: 6.0" / 153 mm
 Height: 4.3" / 110 mm

Weight

TopGun®: 16 oz / 480 g (with batteries)
 PT Dock: 24 oz / 720 g (w/o power supply)

Display

4 lines x 16 characters supertwist LCD

Keypad

34 splash-resistant keys with full alphanumeric capability
 Four programmable function keys

Construction

Industrial, high-strength polycarbonate/
 blend plastic
 Chemical and splash resistant

Environmental

Temperature rating

Operating: 14° to 122° F / -10° to 50° C
 Storage: -4° to 158° F / -20° to 70° C
 Humidity: 5 to 95% NC

Shock: multiple 4' / 1.2 m drops to concrete

Decoding Capability

(autodiscriminates between)

UPC A, E / EAN 8,13 / JAN 8, 13 (extensions)
 Code 128 Interleaved 2 of 5
 Code 39 Code 39 Full ASCII
 Code 93 Codabar

Optical

Light source: 650nm Visible Laser Diode (VLD)

Rate: 36 ±4 scans/sec. nominal

Scan Angle: 42° nominal

Depth-of-Field: Refer to chart below

Indicators

TopGun®: Good read; scan
 PT Dock: Dual LED; Indicates battery
 charge or unit properly seated in dock

Ambient light immunity

Artificial light: 450 ft-candles / 4,844 lux
 Sunlight: 8,000 ft-candles / 86,112 lux

Safety and Regulatory

Electrical Complies to: CE



Emissions: FCC Part 15 - Class A

Laser: CDRH Class 2; IEC Laser Class 2

System

Beeper

Software programmable speaker volume,
 duration, and pitch

Data Communications

TopGun®: Standard 15-pin D-sub connector
 – Serial (requires serial cable)
 RS-232C; ASCII 7- or 8-bit; Selectable Parity;
 300 to 76,800 baud programmable;
 Supports CTS/RTS and Xon/Xoff
 – Keyboard wedge (requires wedge cables)
 AT interface; PS/2 interface
 PT Dock: Standard 25-pin D-sub connector
 – Serial (requires serial cable)
 RS-232C; ASCII 7- or 8-bit; Selectable Parity;
 300 to 76,800 baud programmable;
 Supports CTS/RTS and Xon/Xoff
 – Keyboard wedge (requires wedge cables)
 AT interface; PS/2 interface; IBM 3151, 3471,
 3472, 3476, 3477 terminals

Hardware

16-bit CMOS Microprocessor; Real-time Clock
 and Calendar; RAM: 128 KB to 2MByte;
 FLASH: 128K Byte

Power

TopGun®: Two options –
 – Three alkaline batteries
 – Nicad rechargeable battery pack
 Rechargeable lithium backup battery protects
 RAM and real time clock; Low battery message
 and programmable automatic shutdown
 PT Dock: Two options –
 – 110-volt power supply
 – 220-volt power supply
 Nicad and internal lithium backup batteries
 are recharged in the unit; Power supply is not
 needed when using the PT Dock as a wedge
 Power supply must be purchased separately

Protocols

ACK/NAK with drivers for MS-DOS; X Modem;
 Carriage return only

Software

Supports programs generated with PSC
 Program Generator (PPG); Supports floating
 point math (decimal and exponential notation
 up to 12 digits); Supports wildcard field search
 and verification.

Depth-of-Field Chart –

(printing resolution, contrast and ambient light dependent;
 * Minimum distance determined by symbol length and scan angle)

Label Density	Typical Range
5 mil	3.0" to 4.5" / 8.0 to 11.4 cm
7.5 mil	2.5" to 7.0" / 6.0 to 17.8 cm
10 mil	2.5" to 13.0" / 6.0 to 33.0 cm
15 mil	2.5" to 19.0" / 6.0 to 48.0 cm
20 mil*	2.5" to 21.0" / 6.0 to 53.0 cm
40 mil*	2.5" to 30.0" / 6.0 to 76.0 cm
55 mil*	3.5" to 36.0" / 8.9 to 91.0 cm

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Specifications are subject to change without notice.

Additional information concerning this product or other PSC products
 and services can be found at the PSC website: www.pscnet.com
 or contact your PSC representative for more information.

