

Workabout Wand

Psion's Workabout Wand provides an ergonomic, and cost effective solution to a multitude of barcode reading applications such as order entry, inventory, asset management and package tracking. Light weight, easy to hold and operate, the Workabout Wand has all the advantages of the original Psion Workabout whose popularity has been well proven in every area of industry and commerce.

- Light weight and easy to hold
- Cost effective barcode reading
- Easy to program
- Codes Autodetected
- Long battery life
- Rugged construction



[Close Up](#)
(Jpeg, 37K)

Workabout Functionality

The Workabout Wand has all the functionality of the popular Workabout, such as a multi-tasking operating environment, a sixteen bit processor and sufficient memory to meet most data storage and application requirements. Similarly its ergonomic and light weight design (only 336gms) and its exceptional battery life mean that the Workabout Wand enables users to get through long shifts with comfort and ease.

Suitable for use in all environments

Rugged in construction with an IP54 rating, which means that the Workabout Wand is also dustproof and sprayproof in all directions, and can withstand a drop of 1 metre onto concrete. This makes it particularly suitable for use out of doors or in harsher and more extreme environments.

Codes Autodetected

The terminal recognises and reads all the common barcode symbologies such as EAN, UPC, Codabar and Code 39 which are automatically detected and decoded. The Workabout Wand also features a long life sapphire tip wand which provides over 10 million reads per lifetime.

Visual Basic Compatible Programming

Now with OVAL, a Microsoft® Visual Basic® compatible programming language recently developed by Psion, Rapid Application Development (RAD) is possible on the Workabout Wand. This enables developers to experience the same gains in productivity that RAD languages have brought to developing traditional PC programs which means that data collection programs can be written quickly and prototyped for new and customer specific applications.

Linked Communication

The Workabout Wand also retains a LIF interface for easy connection to all standard communication equipment and peripherals such as the Psion Docking station which facilitates simultaneous re-charging and communication. In addition the RS232 port in the base gives extra connectivity to other peripherals.



TECHNICAL SPECIFICATION

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Hardware	
Processor	16 bit NEC V30H running at 7.68 Mhz (80C86 compatible)
Internal RAM	1MB
Internal ROM	2MB masked ROM containing operating system, OVAL runtime, and other built-in software.

Solid State Disks	2 drives accept Flash or RAM SSDs, presently providing up to 16MB additional application and data storage capacity.
Display	240 x 100 pixels, grey-scale, graphics LCD, up to 39 characters by 12 lines, switchable backlight as standard.
Keyboard	57 key alpha numeric layout as standard. 35 key numeric and function key layout option available.
Sound	Piezo Buzzer
Power	Internal : 2 x AA alkaline cells or NiCd pack Backup: lithium cell External : power and battery charging provided by Psion Docking Holster (trickle charge) or Docking Station (fast charge) using separate mains adapter.
Software	
Operating system	EPOC16 operating system featuring pre-emptive multi-tasking, graphics support, & graphical user interface and DOS-like command line processor.
Communications	Built-in comms features include Psion Link, terminal emulation, XMODEM and YMODEM protocols and script language as standard. PsiWin and Rcom Psion software packages are available for remote file access to Windows and DOS PCs respectively.
Programming	Built-in as standard: OVAL runtime software, OPL language editor and translator. Windows PC-based Integrated Development Environments for OVAL and OPL languages, and a C SDK.
Built-in Software	Spreadsheet compatible with Lotus 1-2-3, database, calculator and application communications software.
Performance	
Codes	EAN/JAN 8, EAN/JAN 13, UPC A, UPC E, CODABAR, CODE 39 STANDARD, CODE 39, EXTENDED, INTERLEAVED 2 OF 5, CODE 128.
Tilt angle	0 to 35 degrees
Depth of field	0 to 1.6 mm (0 to 0.06 inches)
Scan velocity	7.6 to 76 cm per second (2.99 to 29.9 inches per second)
	Visible red light source with 6-mil aperture. Sapphire tip for long life (over 10 million reads).
Physical and Environmental	
Size	203 (L) x 92 (W) x 25 (D) mm (7.99 x 3.62 x 0.98 inches)
Weight	325 gms including batteries (11.46 ounces)

Temperature range	Operation: -20°C to +50°C (-4°F to 122°F) Storage: -25°C to +70°C (-13°F to 158°F)
Operating humidity	0% to 90% maximum non-condensing
Weather proofing	IP54 as standard. Dust proof and spray proof in all directions.
Drop resistance	Designed to withstand 1 metre drop onto concrete on any face.
Safety standard	Europe: EN60950
Emissions	Europe: EN55022 Class B USA: FCC Part 15 Class B
Static	Complies to IEC801-2 (8KV)
RF immunity	Complies to IEC801-3
EFT immunity	Complies to IEC801-4



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