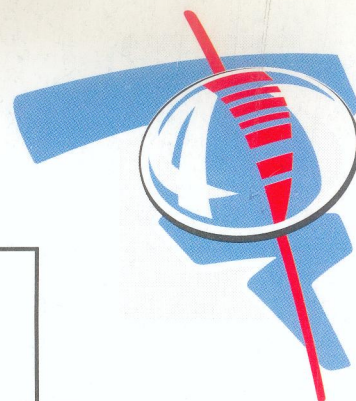




OPTICON FRANCE, filiale d'un constructeur présent depuis de nombreuses années sur le marché mondial de la lecture code-barres au travers des technologies crayon, CCD et laser, vous propose de découvrir un aperçu des produits répondant à tous vos besoins.

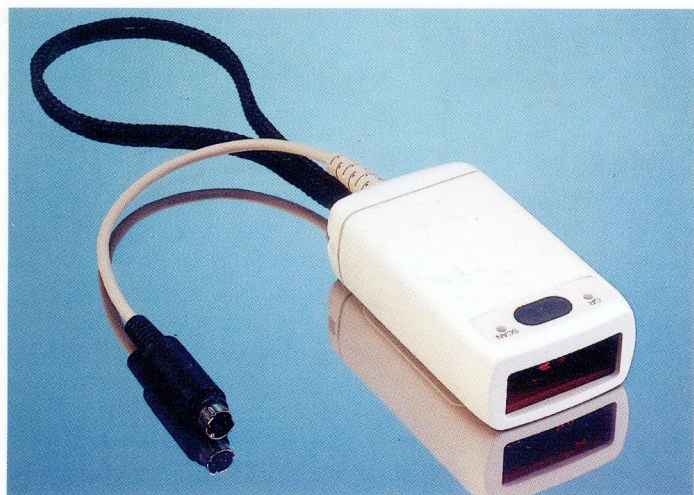
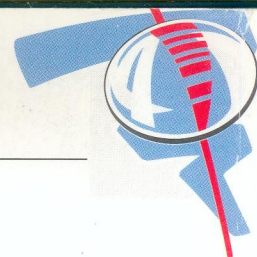
En effet, les matériels que nous sommes à même de vous fournir sont connectables sur tout type d'interface et répondent aux principales normes industrielles, vous assurant ainsi une intégration aisée et une pérennité d'utilisation.

Espérant que nous allons susciter votre intérêt, nous nous tenons à votre disposition pour vous fournir de plus amples informations.

L'équipe commerciale

OPTICON

LES LECTEURS LASER



PLS-9725

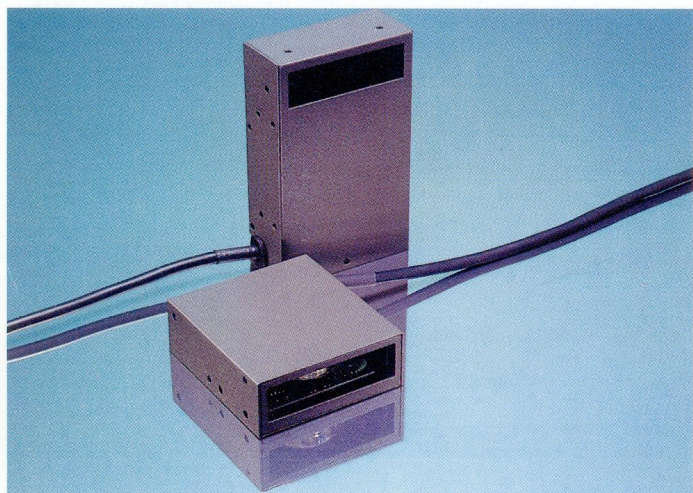
Souris laser à décodeur intégré de petite taille, légère (100 g) et de faible consommation.

Idéale pour toutes les applications portables.

Disponible en : émulation TTL

RS232

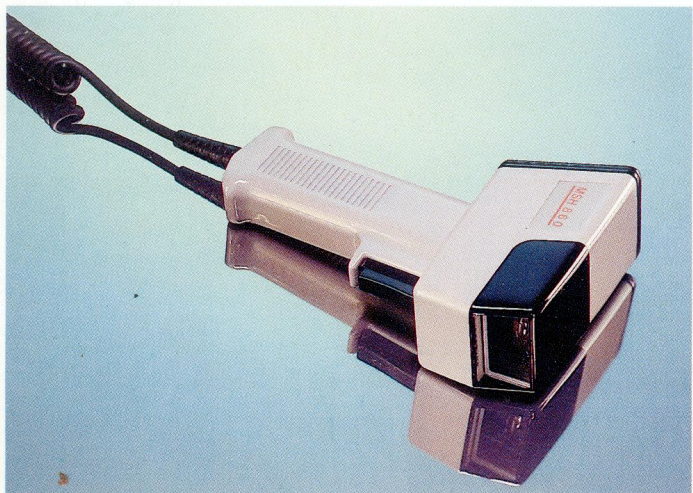
écran-clavier



NLB-9625

Poste fixe laser monotrame à décodeur intégré, solide et compact. Idéal pour toute intégration.

Disponible en RS232.



MSH-850 & MSH-870

Pistolet laser infrarouge ou à diode visible, avec ou sans décodeur intégré.

Disponible en : émulation TTL

émulation laser

RS232

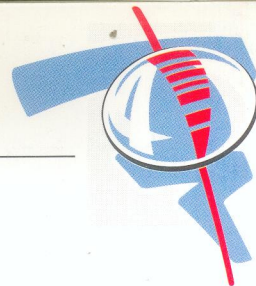
écran-clavier

minitel

OCIA

IBM4683/4684 (5B & 9B)

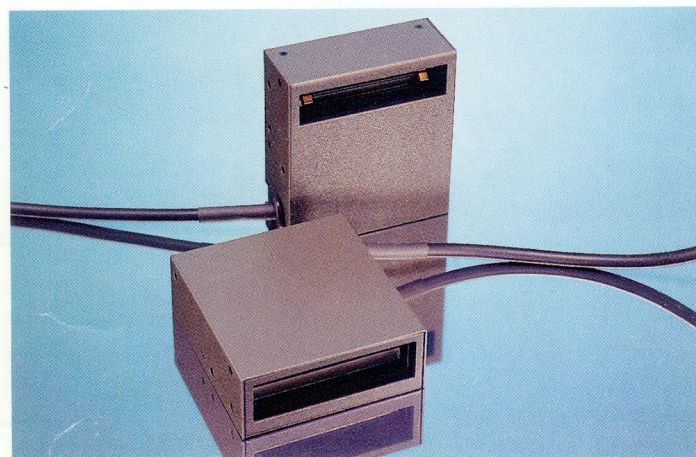
LES LECTEURS CCD



HLT-1120 & HLT-5120

Lecteurs CCD avec fenêtre de lecture de 60 ou 80 mm, avec ou sans bouton poussoir, avec ou sans décodeur intégré.

Disponible en : émulation TTL
émulation laser
RS232
écran-clavier
minitel
OCIA
IBM4683/4684 (5B & 9B)

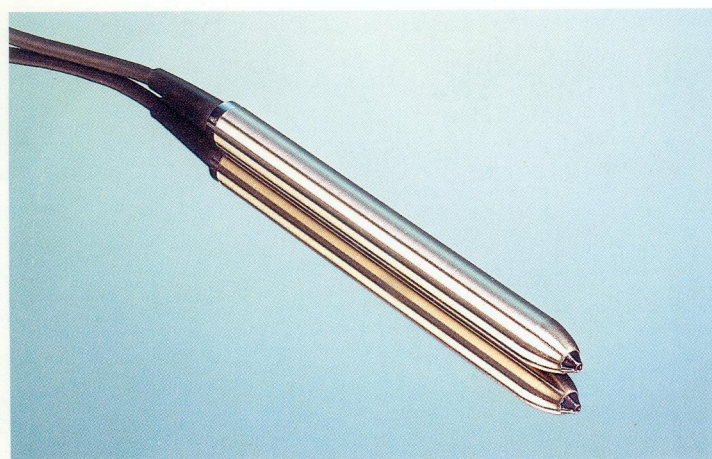


NFT-1125

Poste fixe CCD à décodeur intégré, solide et compact. Idéal pour toute intégration.

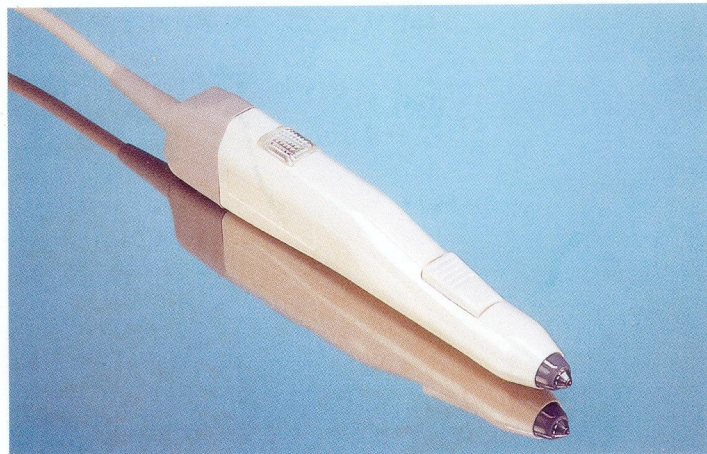
Disponible en RS232

LES CRAYONS



MSH-119

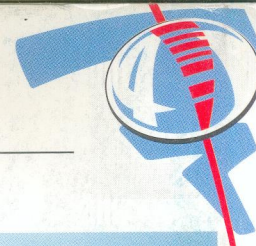
Crayon lecteur sans décodeur, robuste et fiable. Existe en rouge ou infrarouge, en mode pulsé ou non pulsé, en 5 résolutions (de 0.10 à 0.40 mm).



MSH-220

Crayon lecteur à décodeur intégré pour une saisie fiable et rapide.

Disponible en : RS232
écran-clavier
minitel
OCIA



LES CAPTEURS



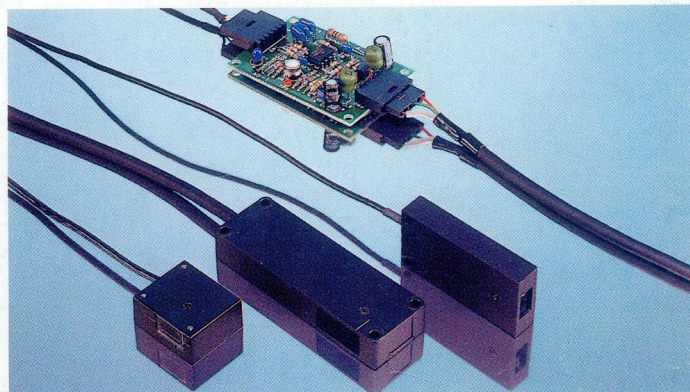
NSR-110 & NSR-120

Lecteur de badge à LED rouges ou infrarouges, avec ou sans décodeur intégré.

Lecture horizontale ou verticale :

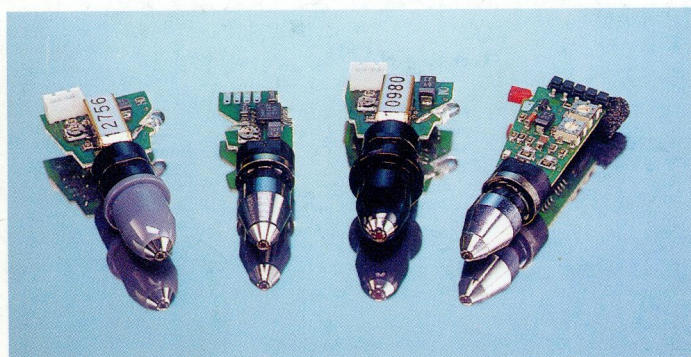
NSR-110 signal de sortie TTL

NSR-120 RS232, écran-clavier



MT-310, 610, 900

Capteurs miniaturisés à LED rouges ou infrarouges. Lecture horizontale ou latérale.



BSH-11,14,16

Têtes de lecture optique de précision à LED rouges ou infrarouges en résolution 0.18 ou 0.40.

Signal de sortie analogique (BSH-11) ou digital (BSH-14 & BSH-16).

ET AUSSI...



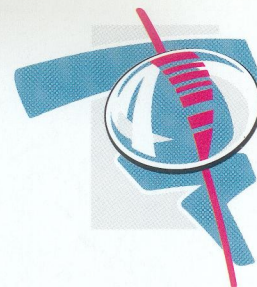
SLT-800

Terminal de saisie portable avec lecteur laser intégré. Léger et maniable, idéal pour toutes applications de gestion de stocks, d'inventaires...



TTD-60

Imprimante thermique compacte de bureau dédiée code-barres. Cutter automatique en option.



DD6000

universal bar code
decoder for networking

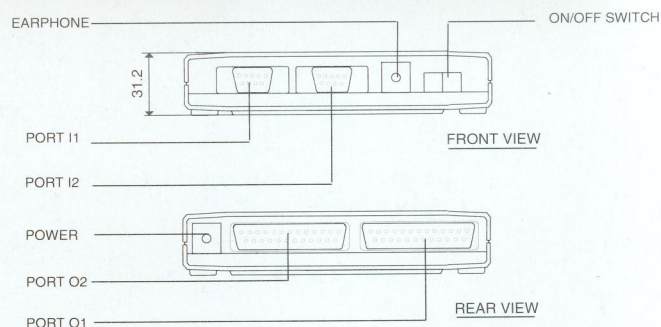
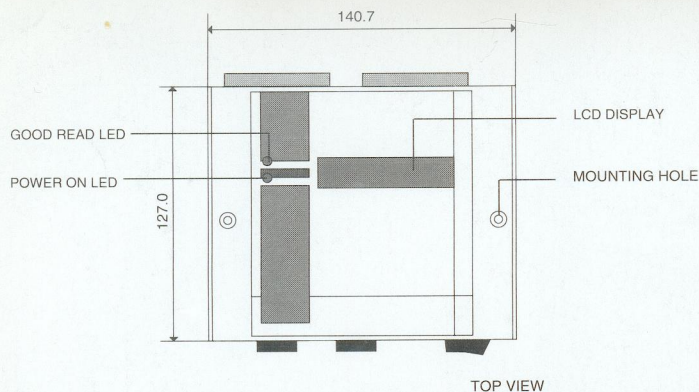


The DD6000 is a universal bar code decoder which accepts data input from wands, CCD and laser scanners as well as from magnetic card readers and keyboards. Information gathered by the scanning devices is decoded and sent to a host computer for further processing. An auxiliary communication port allows for the connection of peripherals such as printers, electronic scales and cash drawers, making this device very suitable for retail activities. This port may also be used for data transfer to and from portable terminals.

Supporting several interfaces for host communication, the DD6000 can be installed in three different configurations.

Apart from connecting one decoder to a host computer in the serial or wedge mode, the decoder can be connected to a network called OSENET. This network allows 126 decoders to be connected to a single host computer. A network controller organises communication over the network. OSENET transmits its data using a full duplex RS485 interface. Scanning stations can send and receive messages with transmission speeds of 125 Kilobits per second.

Features:	Benefits:
• All popular bar code symbologies can be read.	• Applicable in almost any branch of industry.
• Supports many popular interfaces.	• Compatibility with many devices on the market.
• Wide variety of programmable features.	• Allows you to personalise the decoder.
• Operates in serial mode, keyboard wedge mode, and network mode.	• Connection of many serial devices, with the possibility of connecting up to 126 decoders to a single host computer.
• Audible and visible indicators.	• Easy decoding in noisy environments.



DD6000

Voltage requirement	5V±5%
Current consumption	200mA without peripherals attached
Output	Interface: RS232, RS422/485, keyboard wedge, TTL

Hardware

Memory	2Kbytes EEPROM 32Kbytes PROM 2Kbytes SRAM
--------	---

Interfaces

Input port I1:	Bar code reader (TTL)
Input port I2:	Bar code reader (TTL), magnetic card reader, keyboard
Output port O1:	RS232, RS422/485, RS232 (TTL level), keyboard wedge
Auxiliary port O2:	RS232, RS422/485, RS232 (TTL level)

Connectors

Port I1 and I2:	9 Pins AMP squeeze-to-release connector (745001-3)
Port O1:	DB25 male connector
Port O2:	DB25 female connector
Earphone	3.5mm audio-mono jack

Devices

Port I1:	Wand, CCD, laser
Port I2:	Wand, CCD, laser Magnetic card reader (2 tracks) IBM PC/AT keyboard (numeric keypad)
Port O1:	Serial, wedge, OSENET (network)
Port O2:	Any serial device, e.g. (portable) terminal, scale, (label-) printer

Environmental

Humidity	20%-95% non-condensing
Operating temperature	-10°C to 70°C
Storage temperature	-40°C to 125°C
ESD	IEC 801-2 (up to 10KV)
EMC	Generation Immunity CISPR 22 (radio interference) - class B IEC 801-3 (radiated EM fields) - class 3 IEC 801-4 (electrical fast transient burst) - class 3
Vibration	IEC 68-2-6 (5Hz<f<55Hz, 1G (X, Y, Z-Axis))
Shock	IEC 68-2-27 (Pulse: half sine, T = 18ms, peak acc. = 294m/s²)

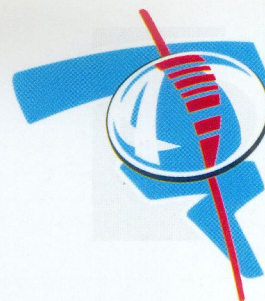
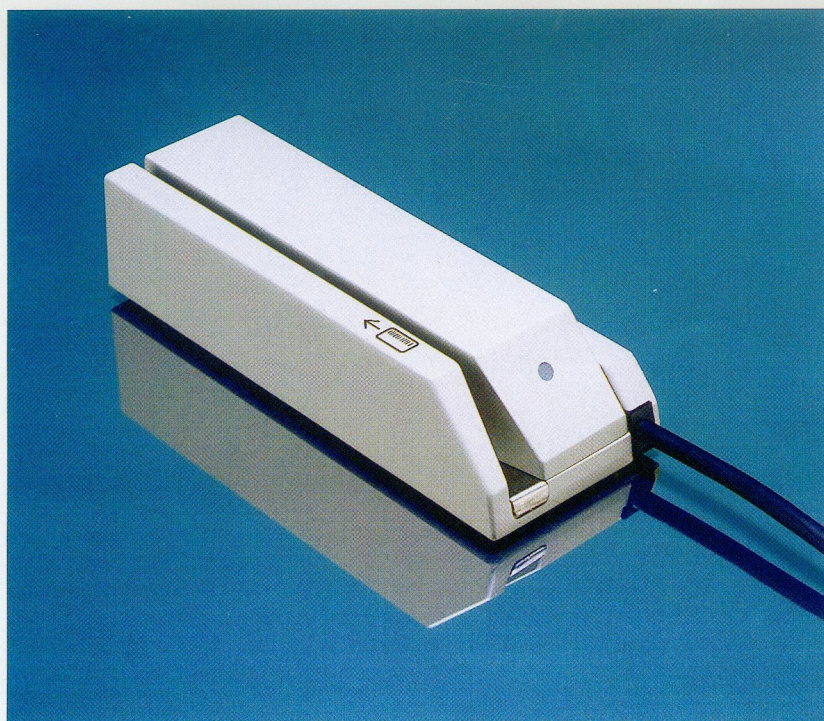
Physical

Dimensions	LxWxD: 127.0 x 140.7 x 31.2mm
Weight	270g
Indicators	2 LEDs 1 LCD display (2 lines with 16 characters) 1 buzzer + earphone output

Programming features

Serial interface	Programmable parameters, amongst others, are: type of code, baudrate, intercharacter delay, handshake protocol, interface, and audio/visual parameters.
Keyboard wedge interface	
Network mode	

Specifications are subject to change without notice. Printed 1993.



NSR110 NSR120

lecteurs de badge
code-barres

Le NSR est utilisé pour la lecture de badges ou de cartes pré-imprimés. C'est un système peu coûteux pour des applications telles que le contrôle d'accès ou la gestion des temps.

Le NSR est simple d'utilisation : le badge glisse le long de la fente sans subir d'usure car la base est en acier inoxydable. La fente est large et permet de très bonnes performances de lecture, même sur des codes de haute densité.

Le montage étanche du système optique évite toute dégradation due à des environnements pollués. Le boîtier réalisé en aluminium est d'une grande robustesse.

Le NSR110, modèle sans décodeur, est compatible avec la plupart des décodeurs existant sur le marché et peut donc s'adapter parfaitement à votre application.

Le NSR120, modèle avec décodeur intégré, assure la lecture, le décodage et transmet directement les données au système sur lequel il est connecté ; il existe en interface RS232 ou Ecran-clavier.

Caractéristiques :

- 2 montages possibles : horizontal ou latéral
- Angle de lecture flexible
- Système optique protégé

Avantages :

- Adéquation parfaite avec votre application
- Lit toutes qualités d'impression
- Fonctionne dans des environnements difficiles

NSR110-5V

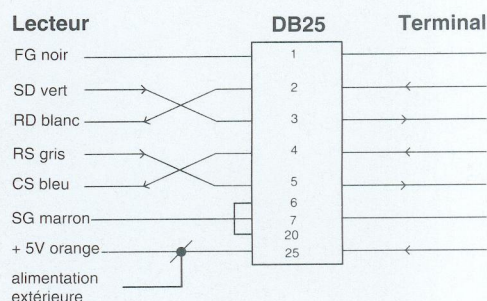
Alimentation	+ 5V $\pm$ 5%
Consommation	37mA typ, 45 mA max

Cablage

rouge	+ 5V
vert	sortie TTL
fil dénudé	masse
tresse	terre

NSR120-RS (interface RS232)

Alimentation	+ 5V $\pm$ 5%
Consommation	40mA

Connecteur DB25 (schéma idem)**NSR120-WE (interface écran-clavier)**

Nous consulter pour connaître les interfaces disponibles

Le NSR110 & le NSR120 sont disponibles dans 2 modèles :

DT pour Desk-Top : lecteur posé à plat
SM pour Side-Mounted : support pour montage latéral

Optique

Source lumineuse	LED rouge (660 nm) LED infrarouge (940 nm)
Résolution	0,51 mm - 0,18 mm de 100 à 2000 mm/s
Contraste	0,3 pour barre étroite de 0,18

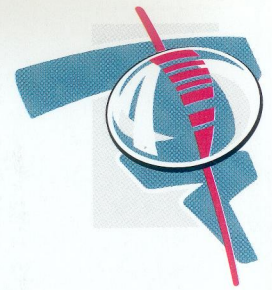
Description

	NRS modèle DT	NSR modèle SM
Dimensions	137,5 x 53,3 x 32,4 mm	137,5 x 45,93 x 32,4 mm
Poids du boîtier	350 g	270 g
Cable	$\varnothing$ 4,8 $\pm$ 0,2 x 1000 $\pm$ 50 mm	$\varnothing$ 4,8 $\pm$ 0,2,5 x 1000 $\pm$ 25 mm
Connecteur	NSR110 : pas de connecteur NSR120-RS : DB 25	JAЕ IL-TS-S3L-(N) compatible
Dimensions	NSR120-WE : DB 9	

Environnement

Température	En fonctionnement En stock	de -0°C à 50°C de -10°C à 60°C
Humidité	En fonctionnement En stock	de 20 à 85% (non condensé) de 20 à 90% (non condensé)
Lumière ambiante	Fluorescente Plein soleil	3000 lux maxi 10000 lux maxi
Electricité statique		5 kV maxi (500 pF, 500 Ω)
Résistance aux chocs		chute de 1 m sur surface en béton
Résistance aux vibrations		de 10 à 100 Hz avec 2G pendant 1 heure

Ces spécifications peuvent être modifiées sans préavis. Imprimé en 1994.



DT6200

time management
terminal for networking

The DT6200 is a networked time management terminal, which makes application orientated configurations possible. The typical system consists of a host computer, or PC, a DD6000 network controller and DT6200 terminals.

The typical DT6200 consists of a Liquid Crystal Display (LCD), a keyboard, a card reader and a printer. The LCD shows large characters and is equipped with back light, making the DT6200 suitable for poorly illuminated environments. The keyboard and card reader can be used for data input, e.g. pin code, quantity or identification. The card reader can either be a magnetic card reader or a bar code reader. The printer puts out receipts, tickets or reports of statistical information of the past days. This allows a network of DT6200's to be used for queuing-system, parking system, entrance system, etc.

The DT6200 supports an easy language to program user applications. The imagination of the user is the only limit for the expansion of the application.

Features:

Benefits:

- | | |
|--|---|
| • Easy programming language for interaction with user. | • Applications in many branches of industry. |
| • Fully programmable host interface. | • Efficient communication with any computer. |
| • High speed data transmission up to 500 Kbaud. | • Fast communication over long distances. |
| • Solid keyboard and display in a durable housing. | • Perfect performance when used in public environments. |
| • Available in several models. | • Allows you to compose a DT6200 suited for a specific application. |
| • User specifications are possible. | • Maximum flexibility. |

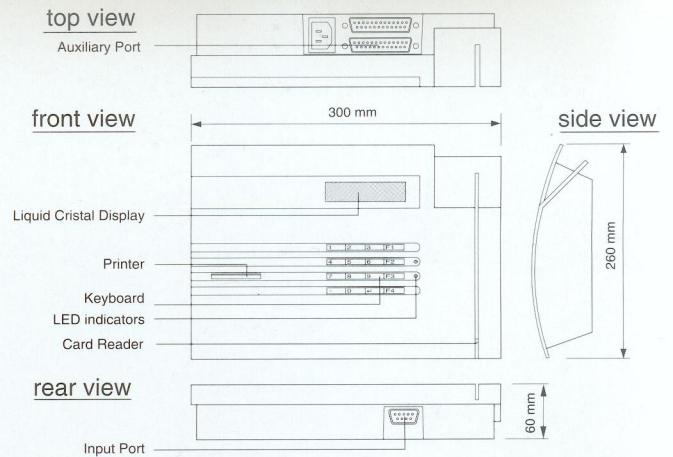
Physical

Dimensions	LxWxD: 300 x 260 x 60 mm
Weight	3 kg (with printer)
Indicators	2 LEDs
	1 LCD with LED back light (2 lines with 16 characters)
	1 buzzer

Optional

DT6200C	with magnetic card reader/without printer
DT6200CP	with magnetic card reader/with printer
DT6200B	with bar code card reader/without printer
DT6200BP	with bar code card reader/with printer

* Available for all types: inverted LCD (red on black) to obtain better readability



Electrical

Voltage requirement	85 ~ 132 V, 170 ~ 264 V
Power consumption	5 W without printer attached 25 W max with printer
Output	Interface: RS232, RS422, OSENET, SICBUS

Hardware

Memory	32-112 Kbytes SRAM, battery backup for 30 days
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Bar code card reader

Light source	Red LED (660 nm) Infrared LED (940 nm)
Photo sensor	PIN photo diode
Resolution	0.15 - 0.18 mm
Scan velocity	100 - 2000 mm/sec
PCS	0.3 at 0.18 mm narrow bar

Magnetic card reader

Tracks	1, 2, 3, 1&2, 2&3
Read velocity	100 - 2000 mm/sec

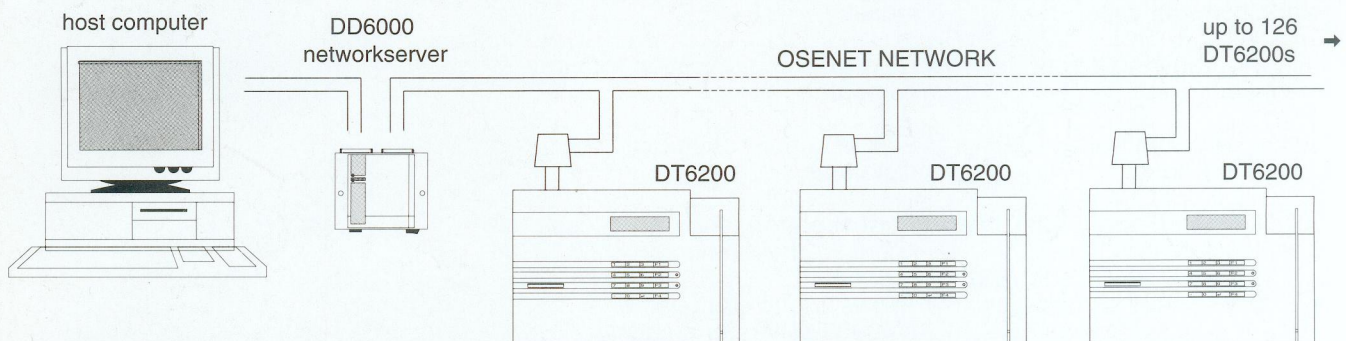
Printer

Printing system	Thermal line dots system
Resolution	8 dots/mm
Printing width	58 mm
Maximum printing speed	180 dot line/sec
Head open detection	Detection by mechanical switch
Paper shortage detection	Detection by photo-interrupter

External devices

Input port	Wand, CCD, Laser
Auxiliary port	Keyboard, display, computer, printer

Configuration



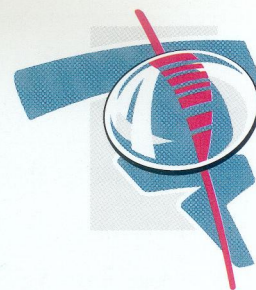
Programming features

User programmable by downloading IRL language programmes. Fully programmable host interface.

Specifications are subject to change without notice. Printed 1993/02.

Opticon Sensors Europe BV. - The Netherlands / Opticon Sensoren GmbH. - Germany
Opticon SA. - France / Opticon Sensors Pty.Ltd. - Australia / Opticon Sensors Ltd. - Hong Kong

OPTICON



Bear Rock Bar Code Labeler™ Printbar II™

bar code printing software
for Windows and MS DOS



A new series of bar code labeling programs is available. These 'what you see is what you get' programs are designed to work with MS Windows™ and MS DOS®. They enable you to print bar code labels in an inexpensive and easy way for inventory, books, tracking, and many other applications.

This easy usage is due to the fact that you need no special printer to have the bar code labels printed exactly the way you want it. After having installed the software, you can immediately start with your bar coding.

The Bear Rock Bar Code Labeler™ program can be used in a Microsoft Windows™ operating environment.

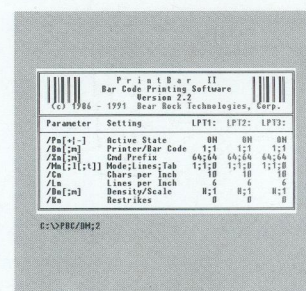
Printbar II™ is a memory resident program to be used if you work with MS DOS®. Once Printbar II™ is loaded into your computer's memory, it watches everything sent to the printer. When it encounters data which is preceded by and ends with characters defined by the user, it prints this data in bar code.

With PrintBar II™, you maintain complete control over your printed output, without being limited to specific bar code sizes or formats.

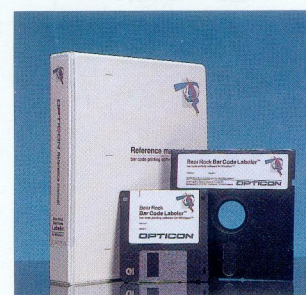
Features:

Benefits:

- The programs can print bar code labels of variable density.
- Bear Rock Bar Code Labeler™ operates with DTP features.
- Printbar II™ standard works with Epson and IBM Graphics dot-matrix printers, HP LaserJet printers and compatibles.
- PrintBar II™ is memory-resident and needs no special programming.
- Printed bar codes can be read by any bar code scanner.
- Easy to work with and very intuitive.
- No special font cartridges necessary.
- Requires minimal setup and is easy to learn and use.



PrintBar II™
configuration program



software with comprehensive,
loose-leaf user's manual

Bear Rock Bar Code Labeler™ for MS Windows™

General features

DTP environment for graphical features, auto serial numbering
Data import: dBase III/IV, DIF, ASCII, prompt for data at print time

Requirements

Computer: IBM PC compatible with Windows Version 3.0 or higher
Printer: any type that is supported by Microsoft Windows

Bar code specifications

Densities limited only by the printer resolution
Human readable fonts included

Bar code symbologies

Code 39, UPC-A, UPC-E, ISBN, Code 128, Codabar, Interleaved 2 of 5, EAN8, EAN13, and others

PrintBar II™ for MS DOS®

General features

Program is memory resident, once loaded requires no special programming to use

Requirements

Computer: IBM PC/XT/AT PS2 or true compatibles
Memory: 9K RAM above application programs
Printer: HP LaserJet printers and compatibles. Epson and IBM Graphics including most compatibles

Bar code specifications

Densities depending upon the printer and symbology from 3.7 up to 18.8 cpi

Bar code symbologies

Code 39, UPC-A, UPC-E, Interleaved 2 of 5, EAN8, EAN13

How does PrintBar II work?

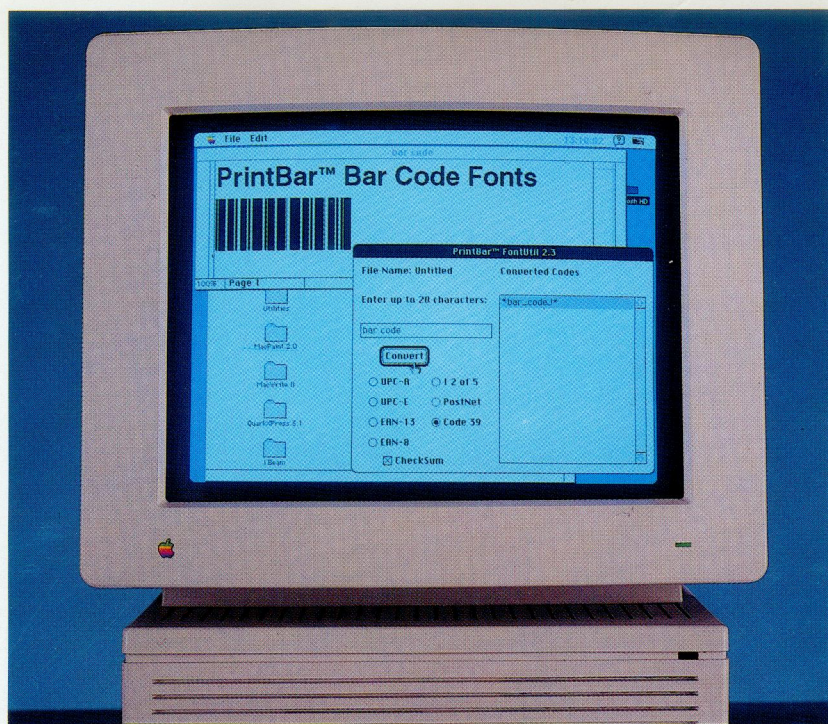
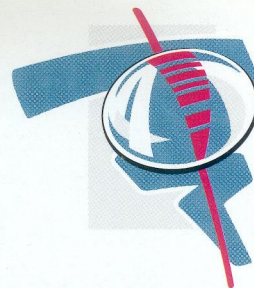
PrintBar II uses memory resident programming techniques to print bar codes directly from the programs you use. Once PrintBar II is loaded into your computer's memory, it watches everything that is sent to your printer. When it encounters @@ (or any other combination of characters you choose to use) it automatically prints the subsequent characters in bar code. For example, if you send the following sentence to your printer:

"A sample of @@bar code@@ printing", the printed output will look like this: "A sample of  printing"

By using @@...@@ where a bar code is needed, you can print bar codes and normal text virtually anywhere on your labels and documents.

2995^F H.T.

Specifications are subject to change without notice. Printed 1993/02.



PrintBar™

bar code fonts
for Macintosh

PrintBar™ is a selection of individually packaged bar code fonts which enables the Apple Macintosh™ computers to print bar codes on an Apple ImageWriter, a PostScript® or non-PostScript LaserWriter, or a high resolution imagesetter.

Printbar™ fonts can be used with virtually any Macintosh program which provides a font menu, such as page layout and drawing programs, word processing, database managers and labeling programs.

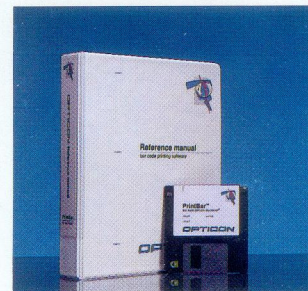
When you select a bar code font from a font menu (just as you would select a typeface such as Helvetica or Courier), your text will be translated into bar code. A bitmap image of the bar code will appear on the screen providing 'what you see is what you get' functionality.

With PrintBar™ installed, your printer is capable of printing thousands of bar coded labels per hour. You are not limited, however, to printing labels. You can print bar codes anywhere on documents, forms or drawings. This makes Printbar™ an excellent alternative to purchasing expensive, dedicated bar code printing equipment.

Features:

Benefits:

- | | |
|--|--|
| • The program can print bar code labels of variable density. | • Printed bar codes can be read by any scanner. |
| • PrintBar fonts are available for ImageWriters, all LaserWriters and high resolution PostScript printers. | • Possibility to print bar code labels for almost any application. |
| • PrintBar works in conjunction with your other Macintosh applications. | • Offers you maximum output flexibility. |
| • Once selected, a bitmap image of the bar code will appear on your screen. | • Your bar code is an integral part of your artwork or label. |



PrintBar™
software with comprehensive,
loose-leaf user's manual

PrintBar™

General features

Once installed, PrintBar is available in the Apple menu
Manual or automatic downloading of PostScript fonts for PostScript printers

Requirements

Computer: Apple Macintosh
Printer: ImageWriter, PostScript and non-PostScript LaserWriter, high-resolution imagesetters such as Linotronic®, Compugraphic®, and others

Bar code specifications

Densities depending upon the printer and symbology from 3.86 up to 13.79 cpi, human readable fonts included

Bar code symbologies

Code 39, UPC-A, UPC-E, ISBN, Interleaved 2 of 5, EAN8, EAN13, and others

Output

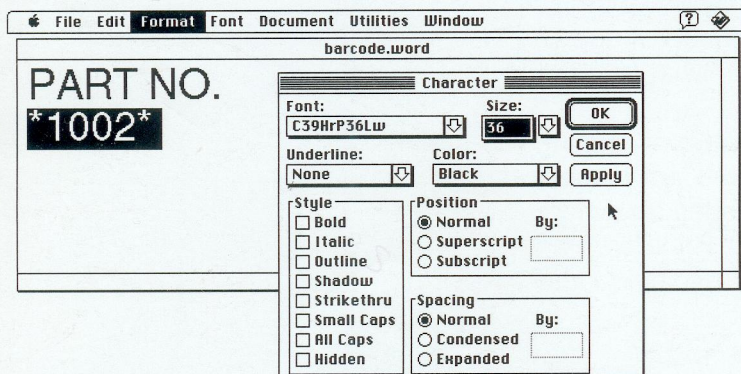
For creating bar coded labels: StickyBusiness® Plus Special Edition, FileMaker® Pro from Claris®, or most other label design programs.

For bar codes in documents or publications: Microsoft® Word, Aldus PageMaker®, compatibility with drawing programs such as Adobe® Illustrator®, Aldus® Freehand™, QuarkXPress®, MacDraw®, and others.

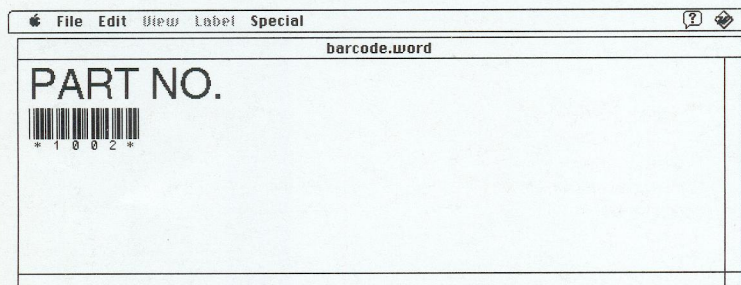
Range of applications

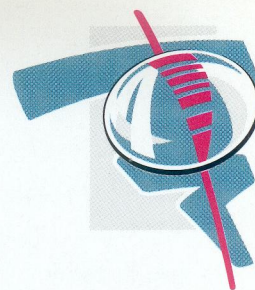
Inventory
Encoding test questions and answers
Keyless data and order entry
Service order tracking
Production line tracking
Time accounting
Encoding invoice information
ID cards and personnel tracking

Screen example in Microsoft Word



Screen example after bar code font is applied





TTD60

imprimante thermique
de bureau

Programmation

La TTD60 se programme à partir d'un PC ou compatible, via le port RS232, à l'aide d'un protocole de communication très simple.

Après transmission des données par l'ordinateur, la TTD60 génère une réponse sous forme de codes à 2 caractères facilement interprétables (bonne transmission = A0 - erreurs = A1 à A5). En cas de détection d'erreur(s), le logiciel de l'imprimante indique la marche à suivre pour la correction.

Composition

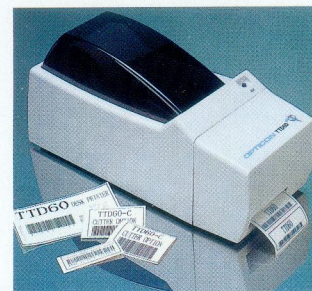
Certaines imprimantes sont limitées au niveau de l'emplacement du texte ou des codes. La TTD60 vous permet de placer le texte et les codes dans n'importe quelle position sur l'étiquette. L'impression de graphiques est également possible.

Impression

Selon le support utilisé, la température de la tête peut être ajustée par des "dipswitches" facilement accessibles.

Option Cutter

Si vous utilisez un rouleau d'étiquette en continu, le cutter automatique coupe l'étiquette après chaque impression. La longueur de l'étiquette est déterminée lors de la programmation.



TTD60-C
modèle avec option cutter

Mode d'impression	Thermique		
Densité de la tête	8dots/mm; 448dots; 0,125mm par dot		
Largeur d'impression maxi	56mm		
Dimensions de l'étiquette	Longueur maxi = 99mm Largeur maxi = 58,5mm		
Rouleau de papier	Diamètre extérieur maxi = 80mm		
Vitesse d'impression	50mm/seconde		
Synchronisation	Détection par cellule ou par spot		
Type de support	Papier thermique		
Polices de caractères	H x l = 12x24 dots (1,5x3mm); espace = 1,625mm H x l = 24x24 dots (3x3mm); espace = 3,25mm Alphanumériques et lettres japonaises Hauteur et largeur modulables de 1 à 8		
Graphisme	Point par point		
Codes	Code 39 NW-7 (Codabar) 2 parmi 5 entrelacé 2 parmi 5 industriel	EAN13/EAN8 + add-on 2/5 Code 11 MSI IATA	UPC-E + add-on 2/5 Code 93 Code 128
Rotation	0°, 90°, 180°, 270° (texte et code-barres)		
Interface	RS232 C (connecteur DB 25)		
Configuration RS232	Par dipswitches: Baud (1200/2400/4800/9600), parité, longueur des données (7 ou 8 bits)		
Alimentation	220~240V, 50/60Hz, 40W		
Détection d'erreur	0: transmission correcte 1: erreur de format (aire d'impression, ligne, texte, code) 2: impression dépassant l'espace prévu 3: aire d'impression non précisée 4: plus de papier / problème de tête 5: température trop faible ou trop élevée		
Dimensions	l x H x P = 120x150x280mm		
Poids	3,7kg		
Température de la tête d'impression	Sélectionnable par dipswitch: papier standard papier haute température		
Option	TTD60-C: modèle avec cutter automatique		
Langage de programmation	BASIC; autres langages sur demande		
Contrôle opérateur	LED indiquant: mise sous tension, erreur Bouton pour: alimentation papier et étiquette de test		
Manuel	Le manuel comprend le mode d'emploi, l'interfaçage et l'utilisation du logiciel		

Ces spécifications peuvent être modifiées sans préavis. Imprimé en 1993.