**ScanPal 2** is a compact, portable data collection terminal designed for daily use in applications such as Inventory/Stock control, Shipping/Receiving, and more.

# ScanPal® 2

*Features*

- ***Easy to read, backlit LCD screen***
- ***CCD scan engine***
- ***Capable of storing over 50,000 records***
- ***2 'AAA' batteries provide over 100 hours of operation***
- ***Optional rechargeable batteries and charging cradle***
- ***Easy to use Application Generator and download software***
- ***Supports C and Basic programming***
- ***Download via RS232, Keyboard, IR or wireless IrDA***

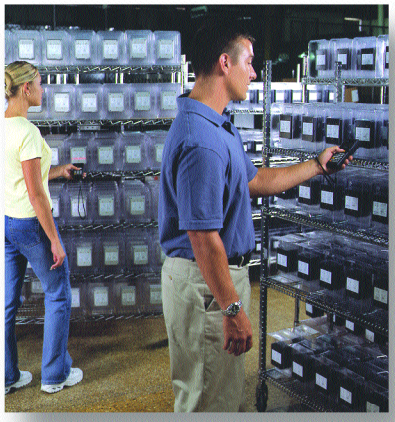
**Metrologic's ScanPal 2** is a lightweight, portable data collection terminal, designed for all-day, everyday use. The compact design allows the user single handed operation, ease of use, and durability.

A brightly lit LCD graphics screen with built-in contrast control allows the user to adjust the brightness of the screen, enabling it to be read perfectly, in all lighting conditions. The font size on the display can be specified as either small font (20x8 characters), or large font (15x4 characters).

Using only 2 standard 'AAA' batteries, the ScanPal 2 provides over 100 hours of operation. The 1MB SRAM allows for approximately 50,000 records to be stored in ScanPal 2's memory. Uploading the collected data is quick and easy via RS232, IR, IrDA, or Keyboard Wedge data transmission.

Each ScanPal 2 contains an easy to use, but comprehensive Windows-based application generator and downloading utilities. BASIC and C compilers are also available for advanced programming.

There are a multitude of applications in which ScanPal 2 performs including inventory/stock control, shipping and receiving, document monitoring, factory floor data collection, shelf price audits, price checking, asset tracking, warehousing and distribution operations.



# Getting Started

## Three Easy Steps

### 1 Purchase and Support

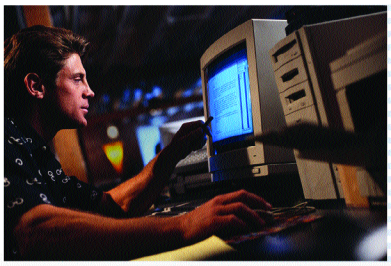
ScanPal 2 is available for purchase through Metrologic's world wide distribution partners and resellers.

Included with each ScanPal 2 are a comprehensive users manual and application generator guide. To get everything you need to begin collecting data electronically, order one of the ScanPal 2 "kits" that include the terminal, cables and batteries.

### 2 Set up

Define your application - determine input fields and parameters that best suit your specific needs.

Create your own program using the Windows-based Application Generator (see next page). Download your program to the ScanPal 2 and you are ready to begin collecting data.



### 3 Begin Using ScanPal 2

Collect data - read bar codes, enter quantities or other characters as you defined in the set up process.

Download to host is made simple by communicating via RS232, Ir, IrDA, or Keyboard Wedge.

### Use the data

## ADC and Auto ID Solutions from Metrologic

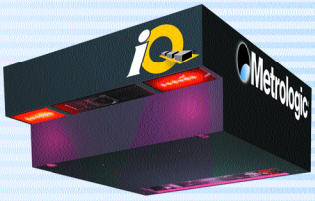
POS Scanners

PDT

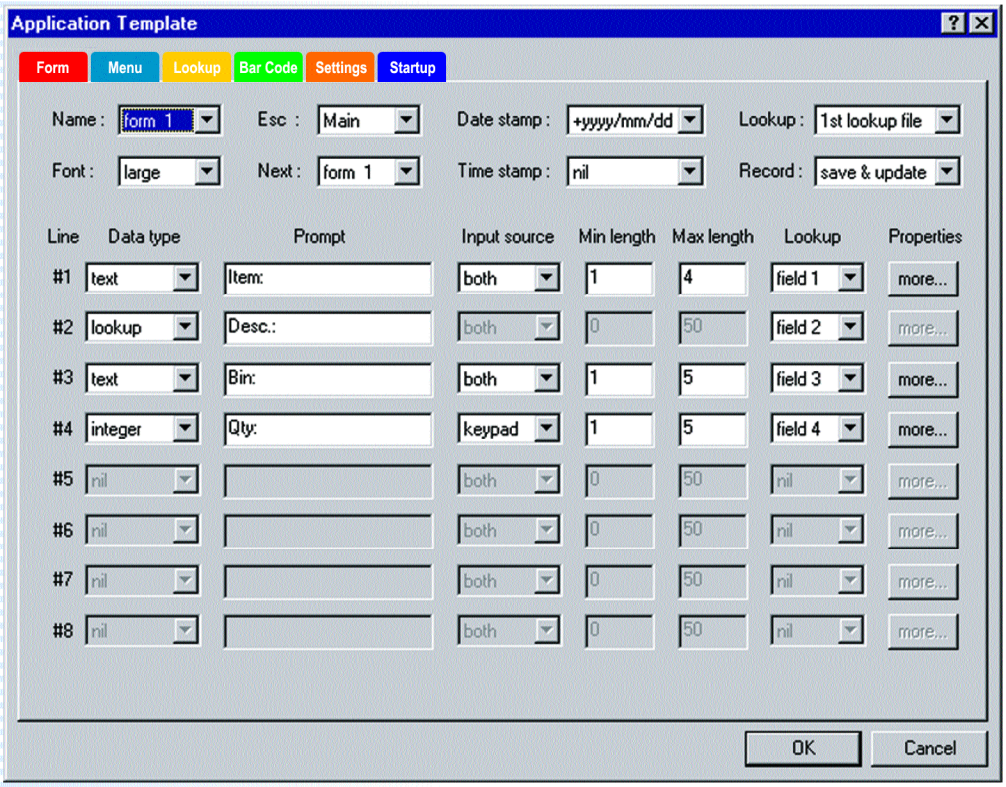
OEM Scan Engines

Industrial

Automated/Vision Based Systems



# Set Up Made Simple




## Create your own program in minutes by using the "Application Generator".

The unique application generator feature allows the user to create custom data collection templates quickly and easily on a PC without writing any program code. The user is presented with a terminal Window screen on the PC to simulate the program's running sequences on the actual terminal. A new application can be designed on-screen in only a few minutes, downloaded to the terminal and data collection can begin immediately.

### Form

A "Form" is a data collection template with input prompts. Length and data type for each input field can be specified. Each form can have up to 8 input fields.

### Menu

A "Menu" is a list of selection items. Up to 10 different menus can be defined.

### Lookup

A "Lookup" file is a database file created for information reference. Up to three lookup files can be created.

### Bar Code

The "Bar Code" section describes user configurable parameters pertaining to bar code symbologies.

### Settings

"Settings" allows the user to define a password, enable/disable security checking, configure the system settings, and configure the settings for keyboard wedge.

### Startup

The "Startup" section allows users to specify what is to be executed first when the program starts, specify delimiters for data fields and redefine system prompts/messages.

## ScanPal 2 Accessories

Download/Charger Cradle

High-Speed IrDA Transceiver

Battery Charger
(shown with NiMH Battery)

Protective Case

# ScanPal® 2

## OPERATIONAL

| | |
|---|---|
| System | |
| CPU | 16-bit CMOS, low power consumption |
| Program Memory | 1 MB flash ROM |
| Data Memory | 1 MB SRAM |
| Display | LCD - 128 x 64 pixels, back-lit |
| Resolution | 8 lines x 20 characters (max), 4 lines x 15 characters (min) |
| Keypad | 21 rubber keys; alpha/numeric, function, scanner |
| Indicators | Buzzer - programmable audible indicator (1 KHz - 4KHz)<br>LED - Dual-color, programmable green and red |
| Scanner | |
| Light Source | 610 nm - 620 nm CCD (623 nm peak emission) |
| Minimum Bar Width | 0.102 mm (4 mil) |
| Width of Scan Field | 124 mm (4.9") @ 160 mm (6.3") |
| Depth of Scan Field | 30 mm - 160 mm (1.2" - 6.3") for 0.33 mm (13 mil) bar codes |
| Scan Speed | 100 scans/sec |
| Decode Capability | Autodiscriminates all standard bar codes;<br>for other symbologies call Metrologic |
| Communication | |
| RS-232 | Transmission speed up to 115.2k bps |
| IrDA | Standard 1.0 compatible, up to 115.2k bps<br>High speed IR – Up to 115.2k bps transmission rate |
| Application Development | Windows-based Application Generator; optional C & BASIC compilers |

## MECHANICAL

| | |
|---|---|
| Length | 145 mm (5.7") |
| Width | 63 mm (2.5") |
| Heigth | 33.5 mm (1.3") |
| Weight | 180 g (6.3 oz) - including batteries |

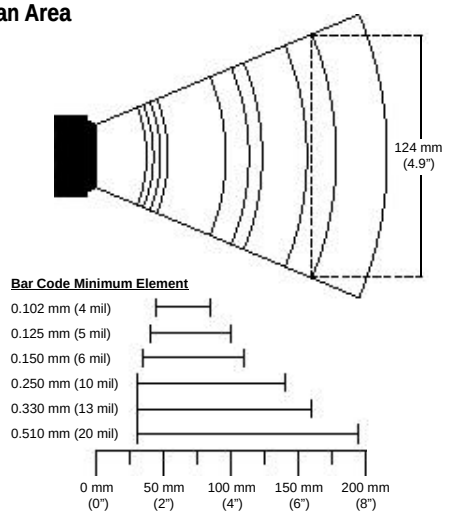
## ELECTRICAL

| | |
|---|---|
| Battery Operation | Two "AAA" batteries; optional one Ni-MH rechargeable battery |
| Battery Backup | 3.0V, 7.0mA hours, rechargeable lithium battery |
| Operation | Over 100 hours (with two "AAA" batteries) |
| EMC regulation | FCC class-A |

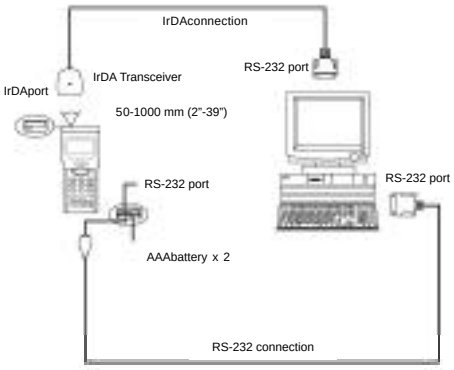
## ENVIRONMENTAL

| | |
|---|---|
| Operating Temperature | -20°C to 60°C (-4°F to 140°F) |
| Storage Temperature | -30°C to 70°C (-22°F to 158°F) |
| Humidity | 5 % to 95 % relative humidity, non-condensing |
| Shock resistance | 1.2 m (4') drop onto concrete |
| Light Levels | Up to 2,500 Lux (232 footcandles) |
| Contaminants | Sealed to resist airborne particulate contaminants |
| Ventilation | None required |

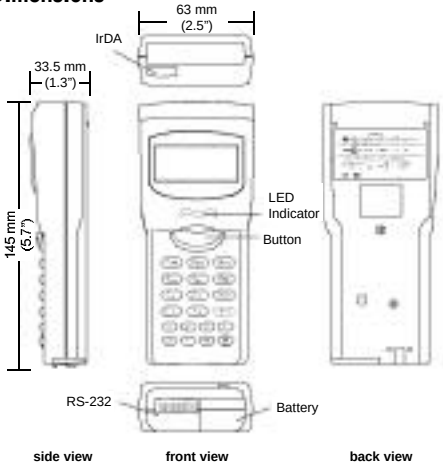
### Scan Area




### RS-232 or IrDA Connection




### Dimensions

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