

# Formula Wizard™

The complete data collection package

**DATALOGIC**  
Your Life. Our Enthusiasm™



Mobile Computers

## General Description

For the vast majority of small businesses and retailers, the complete Formula Wizard™ package represents the simplest and most cost-effective solution for entering the world of bar code data acquisition. The Formula 732-E portable terminal with its integrated laser scanner is at the heart of the Formula Wizard™ solution. Fast and reliable in reading the most common symbologies, it comes equipped with a practical 25-key alphanumeric keyboard, a large display with icons and a vast memory both for data and applications. Data transfer to the PC takes place by simply placing the terminal into the Formula 952 Transceiver/Charger (included in the Formula Wizard™ package), which is equipped with a RS232 serial port.

Formula Wizard™ represents the ideal solution for many applications in retail and small warehouse environments. In fact, this complete package covers the most common operating requirements for inventory, materials picking and general small warehouse administration, as well as for price and description management in assisted sales and data collection in retail points of sale.

By using the EasyGen™ software package, developers can quickly build personalized applications according to the required contexts by easily creating programs of average complexity in a Windows environment. Furthermore, the Formula 732-E terminal is fully programmable in C language using DS for Formula™, thus solving the needs both of the most complex applications and of those that require a higher degree of customization.

A series of protecting and carrying accessories (the functional case, the belt holster and the rubber cover), which are particularly useful in working environments characterized by the need of higher protection and intensive use are also available.

Formula Wizard™: easy data collection for everybody.

## Features

- > All the hardware you need in a unique package:
  - Formula 732-E Laser Terminal
  - Formula 952 RS232 Transceiver/Charger
  - Power-supply unit
  - Connection cable
- > EasyGen™ demo version included in the CD-ROM

## Applications

- > Inventory, materials picking and general small warehouse management
- > Price and description check for assisted sales
- > Data collection and transfer to POS

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## Specifications

### PHYSICAL CHARACTERISTICS

DIMENSIONS	165 x 56 x 32 mm (6.5 x 2.2 x 1.3 in)
WEIGHT	184 g (6.5 oz)
DISPLAY	Graphic high contrast LCD with backlight
SCREEN FORMAT	4 lines x 16 characters
OPERATING TEMPERATURE	0 to 50 °C (32 to 122 °F)
STORAGE TEMPERATURE	-20 to 70 °C (-4 to 158 °F)
RELATIVE HUMIDITY	95% without condensation
DROP RESISTANCE	Resists several drops onto concrete
ENVIRONMENTAL PROTECTION	Industrial, protected against dust and water

### PERFORMANCE

OPERATIVE SYSTEM	Datalogic proprietary
PROCESSOR	8 bit CMOS
PROGRAM MEMORY	512 KB Flash dedicated to the application program
DATA MEMORY	512 KB RAM for data
KEYBOARD	Alphanumeric with 25 silicon rubber keys
SIGNAL TO OPERATOR	Bicolor LED; Piezoelectric buzzer; programmable frequency and duration
CLOCK/CALENDAR	Quartz controlled RTC; programmable date and time

### SERIAL COMMUNICATION

DATA TRANSFER	Infrared (via optocoupler) between F732-E and F952, RS232 between F952 and PC or Host Transmission speed: up to 115 Kbit/sec
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### POWER MANAGEMENT

POWER SOURCE	250 mAh NiCd rechargeable batteries
AUTONOMY	18 h, with reading every 45"
BATTERY CHARGING	Via Formula 952 Transceiver/Charger

### SCANNER AND BARCODE CHARACTERISTICS

SCANNING RATE	35 ± 5 scans/sec
MINIMUM RESOLUTION	0.15 mm (6 mils)
DEPTH OF FIELD	3 to 70 cm (1.2 to 27.6 in), depending on bar code density
SCAN ANGLE	42° ± 2
BAR CODES	EAN 8, EAN 13, UPC/A-E, 2/5 family, Code 128, Code 93, Code 2/7, Code 3/5, 3/9 family, MSI, DELTA A IBM
LASER CLASSIFICATION	VLD - Class II



## Accessories



Rubber Cover



Belt Holster



Functional Case