Formula 734E

HAND HELD

GENERAL DESCRIPTION

The Formula 734-E is a lightweight, pocket-sized and fully programmable batch terminal. This device provides the ideal solution for many basic transactional applications in the Retail, Transportation & Logistics and Manufacturing markets.

With 1MB of RAM and 512KB of Flash memory are ideal for managing databases and applications. The Formula 734-E exploits “overspeed” to boost software performance to increase user productivity. Equipped with a practical 25-key alphanumeric keyboard, the 734-E speeds the input of quantities and descriptions. All data entry and transactions are easily viewed on a wide backlit LCD display that clearly shows information,.

The F734-E offers excellent reading performance. This aggressive terminal’s barcode reader scans bar codes up to a distance of 70 cm. Long life batteries assure great autonomy, making the F734-E capable of covering a multiple shifts on a single charge.

EasyGen™ Application Generator and the DS for Formula™ software packages easily customize the F734-E to the application and end user’s specific needs. This tailors the data collection operations of inventory, picking and shipping/receiving to the business process with out compromising user efficiency.

Thanks to their excellent price/performance ratio, F734-E and F734-E/RF represent an optimal solution for applications in a diverse set of markets.

FEATURES

- Extremely compact and sturdy
- Lightweight at 184 g
- Large data/program memory capacity and “Overspeed” capability
- User-friendly interface
- Excellent price/performance ratio

APPLICATIONS

- Shipping
- Receiving
- Inventory
- Picking
- Shop Floor Management
- Order management
- Price-checking

SPECIFICATIONS

Formula 734E

> PHYSICAL CHARACTERISTICS

DIMENSIONS	165 x 56 x 32 mm (6.5 x 2.2 x 1.3 in)
WEIGHT	184 g (6.5 oz) including battery
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 °C to 70 °C (-4 °F to 158 °F)
RELATIVE HUMIDITY	95% without condensation
DROP RESISTANCE	Resists several drops onto concrete
ENVIRONMENTAL SEALING	Industrial, protected against dust and water

> PERFORMANCE

OPERATING SYSTEM	Datalogic proprietary
PROCESSOR	8 bit CMOS
PROGRAMME MEMORY	512 KB Flash dedicated to the application program
DATA MEMORY	1024 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

> COMMUNICATIONS

SERIAL COMMUNICATION

DATA TRANSFER	Infrared (via optocoupler) between F734-E and F951, RS232 or RS485 between F951 and PC or Host Transmission speed: up to 57 Kbit/sec

**The radio range depends on the environment's characteristics*

> POWER MANAGEMENT

POWER SOURCE	600 mAh NiMH rechargeable batteries
AUTONOMY	24 h, with reading every 45"
BATTERY CHARGING	Via Formula 951 single slot 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

Caution: Laser Radiation - do not stare into beam

Single cradle

Rubber Cover

Belt Holster

Functional Case

Please refer to user manual available at www.mobile.datalogic.com/manuals for information on product use limitations.

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