Formula 725-E, 725-E/RF
Hand-Held Laser Terminal

FEATURES

- Extremely compact and sturdy
- Very light weight (240 g)
- Large data and programme memory capacity and "Overspeed" capability
- High Performance and Long Range models
- 100% compatible with STAR-System™
- Conformance with the European ETSI standard EN 300 220-3
- Excellent price/performance ratio

APPLICATIONS

- Goods shipping/receiving
- Inventory
- Picking
- Warehouse management
- Shop Floor
- Shelf replenishment and price verification

GENERAL DESCRIPTION

To improve the efficiency of many crucial activities in your company, such as goods shipping/receiving, inventory and picking, the right choice is to select the **Formula 725-E**, a lightweight, compact-sized and fully programmable hand-held laser terminal available both in batch and wireless configuration.

The **F725-E** batch version offers typical features and functions of high-end products, such as the "overspeed" capability to boost software performance, big RAM memory (up to 2MB) for managing large databases and 512 KB Flash memory to store application programs of large dimensions.

The **F725-E** long-range model can read bar codes located in difficult-to-reach places, even up to 1.5m away, while the reading capacity of the standard model is the best you can desire with the high performance and high visibility laser engine.

The wide backlit LCD display, with 4 lines and 16 characters, clearly shows much information while the practical 20-key alphanumeric keyboard allows data to be input very quickly, especially in case the code is unreadable because it is damaged, badly printed or not present at all.

By using the optional EasyGen™ Application Generator or the DS for Formula™ software packages, developers can easily customize applications according to the end user specific needs, while **F725-E/RF** operators can take advantage of the new STAR & Play™ pre-loaded software utility to be immediately operative on the field.

The **F725-E/RF** terminal is 100% compatible with Datalogic STAR-System™, the RF narrow band solution for mobile applications. The high capacity Ni-MH long life batteries and the Protecting/Functional case make the **F725-E/RF** the ideal solution for many applications in warehousing/back office environments as well as for intensive use in industrial areas.

If you want to maximise the success of a profitable data capture project and speed up the return on investment, the **Formula 725-E** is the solution you are looking for!

DATALOGIC

MODELS AND ACCESSORIES

PRODUCT	DESCRIPTION	ORDER NO.
F725-E/512	F725-E Enhanced Hand-Held Terminal 512KB	941304130
F725-E/2048	F725-E Enhanced Hand-Held Terminal 2048KB	941304140
F725-E/LR/512	F725-E Long Range Enhanced Hand-Held Terminal 512KB	941304150
F725-E/LR/2048	F725-E Long Range Enhanced Hand-Held Terminal 2048KB	941304160
F725-E/RF 512	F725-E/RF Enhanced Radio Hand-Held Terminal 512KB	941354000
F725-E/LR/RF 512	F725-E/LR/RF Long Range Enhanced Radio Hand-Held Terminal 512KB	941354010
ACCESSORIES		
STARGATE™	STARGATE™ RF433MHz Base Station	946104060
F925	F725 Transceiver/Charger - RS232 / RS485	94A15105X
F925 DARK	F725 Transceiver/Charger DARK - RS232 / RS485	94A15107X
F925/4	F725 Transceiver/Charger - 4 slots - RS232 / RS485	94A15407X
FCB232 D 9 F Transceiver	RS232 serial cable for PC (9-pin type D Female) 2 m	94A054000
F902	T-Box	94ACC4020
NCK RS485	Network/PC connection kit	94ACC400X
FCB485	SYS RS485 serial connection cable for SYSNET 2m	94A054020
FCB EAV	Eavesdrop cable kit 2+2 m	94A054030
FBK725	Battery Kit Ni-CD F725	94ACC4200
FBS725	Battery Kit Ni-CD F725 (5PCS)	94ACC4210
FBK725-E	Battery Kit Ni-MH F725-E	94ACC1261
FBS725-E	Battery Kit Ni-MH F725-E (5PCS)	94ACC1262
FCT725	Functional Case F725 with swivel	94ACC1267
DS FOR FORMULA™	Development system for Formula Basic Line	94A104860
CA51	Compiler 8051 Compiler kit V6 for F6xx and F7xx	94A104890
EASYGEN™	Easy application generator package for Formula batch terminals: F660, F725, F732, F734	94A104850
UTILITY TOOLS FULL PACK ADV. ED. F725	Software package for Windows 95, 98, NT	94A104160

X=1 - power supply for USA; 2 - power supply for Europe; 4 - power supply for UK; 5 - power supply for Australia

SPECIFICATIONS

OPERATIVE SYSTEM	Datalogic proprietary
PROCESSOR	8 bit CMOS
PROGRAMME MEMORY	512 KB Flash dedicated to the application program
DATA MEMORY	512 KB, 2048 KB RAM for data
DISPLAY	Graphic high-contrast LCD with backlight
SCREEN FORMAT	4 lines x 16 characters
KEYBOARD	Alphanumeric with 20 silicon rubber keys
SIGNAL TO OPERATOR	Bicolour LED; Piezoelectric buzzer; programmable frequency and duration
CLOCK/CALENDAR	Quartz controlled RTC; programmable date and time
SCANNING RATE	36 scans/sec
MINIMUM RESOLUTION	0.127 mm (5 mils)
DEPTH OF FIELD (depending on bar code thickness)	
	standard model 3 to 70 cm (1.2 to 27.6 in)
	Long range model 10 to 150 cm (3.9 to 59.1 in)
READING ANGLES	±65° skew; ±55° pitch
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
POWER SOURCE	
Batch models	250 mA/h Ni-CD rechargeable batteries
RF models	600 mA/h Ni-MH rechargeable batteries
AUTONOMY	24 h, with reading every 45"
BATTERY CHARGING	Via Formula 925 single slot Transceiver/Charger or Formula 925/4 multiple slot Transceiver/Charger
SERIAL COMMUNICATION	Infrared (via optocoupler) between F725-E and F925 or F925/4
	RS232 or RS485 between F925 or F925/4 and PC or Host
	Transmission speed: up to 57,600 baud

RADIO COMMUNICATION	
RADIO FREQUENCY	433.92 MHz
RADIO POWER OUTPUT	<10 mW
*RADIO RANGE**	50 m (164 ft)
DATA TRANSFER RATE	up to 19,200 baud
CONFORMITY	European ETSI standard EN 300 220-3
DIMENSIONS (LxWxH)	110 x 56 x 147 mm (4.3 x 2.2 x 5.8 in)
WEIGHT	
Batch models	240 g (8.5 oz)
RF models	255 g (9.01 oz)
OPERATING TEMP.	0 to 50 °C (32 to 122 °F)
DROP RESISTANCE	Resists several drops onto concrete
ENVIRONMENTAL PROTECTION	Industrial, protected against dust and water

The radio range depends on the environment characteristics

ACCESSORIES

STARGATE™ RF Base Station

DS for Formula™ Package

DATALOGIC
code e-volution

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