



# Formula 725 Formula 725/RF

## *Handheld Laser Terminal*

### Features

- Sturdy and extremely well protected
- Superb reading capability and ample memory
- User-friendly interface with icons
- Easy programmable to maximize productivity
- Long Range version available

### Applications

- Inventory control
- Goods picking
- Goods shipping/receiving
- General warehouse management
- Shelf replenishment and price verification
- Intensive use also in industrial environment

### General Description

Although it is positioned in the middle of the Formula line, the **Formula 725** Handheld Laser Terminal with pistol grip, offers features and functionality typical of hi-end products.

Compact and lightweight, the **Formula 725** successfully faces the most trying conditions of today's industrial use such as incidental falls, extreme environmental temperatures and intensive utilization.

In fact, besides being remarkably well protected against dust, water jettings and electrostatic discharges, it can withstand falls from over a meter onto concrete and operate between -20 and +50°C, while the NiCd rechargeable batteries (which can easily be replaced by the user) assure autonomous operation for more than 18 hours of continuous use.

In addition to the excellent standard reading capability, Datalogic has developed the **Formula 725** Long Range version that enables bar codes located in difficult-to-reach places, even up to 1.5 m away.

Memory is abundant with up to 2MB reserved for data, making the **Formula 725** ideal for use in applications where large files must be managed.

This Handheld Laser Terminal features a graphic LCD back-lit display with excellent readability and software controlled icons and it is also equipped with an alphanumeric 20-key keyboard for easy data and descriptions entry, making user interaction easy and productive.

The wireless version, **Formula F725/RF**, integrated in the *Formula 433Mhz* Communication System, performs radio connection at 433 MHz, which does not require operating license, as per the ETSI 300-220 European regulations.

Furthermore, for customized applications, the **Formula 725** and the **Formula 725/RF** are fully programmable in C language using the *Development System F725*.

# Models and Accessories

MODEL	DESCRIPTION	ORDER NO.
F725/128	Handheld Laser Terminal 128KB	941304000
F725/512	Handheld Laser Terminal 512KB	941304010
F725/1024	Handheld Laser Terminal 1024KB	941304020
F725/2048	Handheld Laser Terminal 2048KB	941304030
F725/RF/128	Handheld Laser Terminal 128KB - RF version	941304040
F725/LR/128	Handheld Laser Terminal 128KB - Long Range version	941304050
F725/LR/512	Handheld Laser Terminal 512KB - Long Range version	941304060
F725/LR/1024	Handheld Laser Terminal 1024KB - Long Range version	941304070
F725/LR/2048	Handheld Laser Terminal 2048KB - Long Range version	941304080
F725/LR/RF128	Handheld Laser Terminal 128KB - RF and Long Range version	941304090
F925	Transceiver/Charger - RS-232 / RS-485	94A15405X
F925/E	Transceiver/Charger for keyboard emulation	94A15406X
F925/4	Transceiver/Charger - 4 slots - RS-232 (x1) / RS-485 (x4)	94A15407X
FBK 725	Battery kit for F725 - F725/RF	94ACC4200
FBS 725	Set of batteries for F725 - F725/RF	94ACC4210
FCB 232 D 9 F	RS-232 serial connection cable for PC / AT T 8 M - D 9 F 2m	94A054000
FCB 232 D 25 F	RS-232 serial connection cable for PC / XT T 8 M - D 25 F 2m	94A054010
FCB 485 SYS	RS-485 serial connection cable for SYSNET 2m	94A054020
FCB EAV	Eavesdrop cable kit 2+2m	94A054030
F67	Decoder for keyboard emulation	94M0540XX
DEVELOPMENT SYSTEM F725	C libraries for software development	94A104530

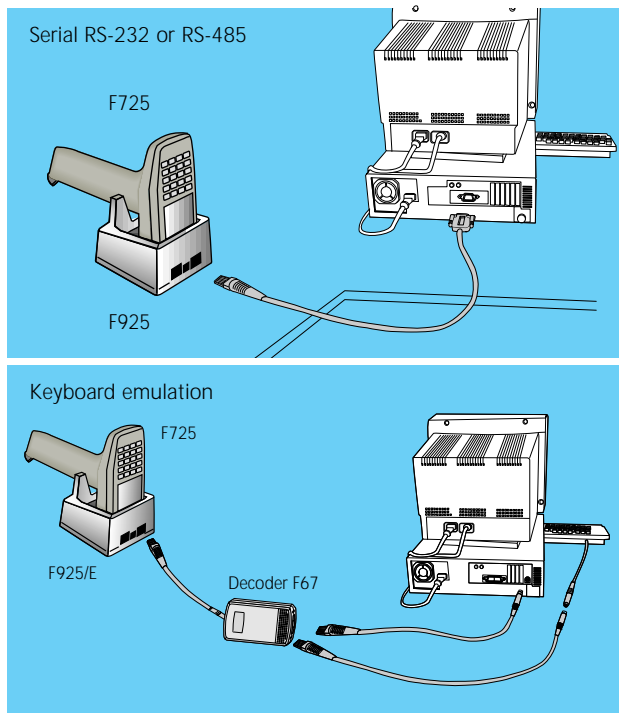
X= 1 - power supply for USA; 2 - power supply for Europe; 4 - power supply for UK; 5 - power supply for Australia  
XX= contact Datalogic for all available models

## Specifications

OPERATING SYSTEM	Datalogic proprietary
PROCESSOR	8 bit CMOS
SYSTEM MEMORY	64KB Flash dedicated to the application program; 128KB; 512KB; 1MB; 2MB RAM for data
DISPLAY	Graphic LCD with backlight
SCREEN FORMATS	4 lines of 16 characters with icons
KEYBOARD	20 alphanumeric silicon rubber keys
SIGNAL TO OPERATOR	Bicolor LED and piezoelectric buzzer, software programmable frequency/duration
CLOCK/CALENDAR	Quartz controlled RTC, date and time programmable
INTEGRATED SCANNER	VLD - Class II Scanning rate: 36scans/sec Minimum resolution: 0.15mm Depth of field: 3 to 70cm, 10 to 150cm (LR version) Reading Angles: ±65° skew, ±55° pitch Decoded symbologies: EAN 8, EAN 13, UPC/A, UPC/E, 2/5 family, 3/9 family, 2/7, Codabar, 93, 128, MSI, Delta A IBM
SERIAL COMMUNICATION	Infrared by optocoupler between F725 and F925 RS-232 or RS-485 between F925 and PC Transmission speed: 300 to 19200 bit/sec
KEYBOARD EMULATION	(via F67) PC XT-AT, PS/2, IBM, WISE, HP and others
WIRELESS COMMUNICATION	(F725/RF) Formula 433MHz Wireless Communication Frequency: 433.92MHz, Narrow Band Transmission distance*: up to 50m indoors, 70-80m outdoors Transmission speed: 9600 bit/sec Power output: <10mW Approval: Europe - ETSI 300-220 250mAh NiCd user changeable batteries 18 h (with reading every 45"); 15 h F725/RF Via F925 Transceiver/Charger Operating Temperature: -20 to +50°C Protection Class: industrial, against dust and water jets Drop resistance: 1.2m onto concrete Electrostatic discharges protection up to 15KV in air 110x56x147mm
POWER SOURCE	240 grams; 255 grams (F725/RF)
AUTONOMY	
BATTERY CHARGING	
ENVIRONMENT	
DIMENSIONS	
WEIGHT	

\*transmission distance depends on environment characteristics

## Connections



**DATA LOGIC DL**  
Bar Code & More



We reserve the right to make modifications and improvements

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