



Formula 725

Formula 725/RF

Handheld Laser Terminal

Features

- Sturdy and extremely well protected
- Very small size and ample memory
- User-friendly interface with icons
- Easy programmable to maximize productivity
- Long Range version available

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.

It is available in batch and wireless version (Formula F725/RF), with radio connections at 433 MHz, which do not require operating license, as per the ETSI 300-220 European regulations.

In spite of its lightweight (less than 250 grams) and compact dimensions, the Formula 725 successfully faces the most trying conditions of today 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 even 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 allows to read 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 high contrast, excellent readability and software controlled icons, making user interaction as easy as ever, even in poor lighting conditions.

Work activity can be programmed in the most efficient way possible, as the system time and battery level are always displayed.

A great deal of attention has been devoted to creating development tools for the Formula 725 that would be simple, productive and efficient.

In addition to the ready-to-use programs, Datalogic has met the varying demands of every user with a wide variety of tools for application development and integration with PC, midrange and mainframe systems.

Formula 725 - 725/RF Handheld Laser Terminal Specifications

OPERATING SYSTEM	Datalogic Proprietary
PROCESSOR	8 bit CMOS
SYSTEM MEMORY	64Kbyte Flash dedicated to application program 128Kbyte, 512Kbyte, 1MB, 2MB RAM for data
DISPLAY	High contrast, backlit and graphic LCD
SCREEN FORMATS	4 lines of 16 characters with icons
KEYBOARD	20 keys, alphanumeric silicon rubber keys
SIGNAL TO OPERATOR	Bicolor LED
CLOCK CALENDAR	Piezoelectric buzzer software programmable in frequency and duration
INTEGRATED SCANNER	Quartz controlled Real Time Clock; programmable date and time VLD - Class II visible laser diode Scanning rate: 36 scans/sec Minimum resolution: 0.15mm Depth of field: 3 to 70cm, 10 to 150cm (F725/LR) - depending on bar code thickness Reading angles: $\pm 65^\circ$ skew, $\pm 55^\circ$ pitch Decoded symbologies: EAN 8, EAN 13, UPC/A, UPC/E, 2/5 Interleaved-Matrix-Industrial, 2/7 Codabar, 3/9 Standard-Extended, 93, 128, MSI, Delta A IBM
SERIAL COMMUNICATION	Infrared by optocoupler RS232 or RS485 via Transceiver/Charger
WIRELESS COMMUNICATION	Transmission speed: 300 to 19200 bit/sec (F725/RF) Formula 433MHz Wireless Communications not subject to licence or with minimal regulatory or administrative requirements (depending by country) Frequency: 433.92 MHz, Narrow Band Transmission distance: up to 50m* radius indoors, 70-80m* radius outdoors Transmission speed: 9600 bit/sec Power output: <10mW Certifications: Europe - ETSI 300-220
POWER SOURCE	250 mAh NiCd user changeable batteries
AUTONOMY	18 hours (with reading every 45"); 15 hours F725/RF
BATTERY CHARGING	Via F925 Transceiver/Charger
ENVIRONMENT	Operating temperature: from -20° to +50°C Protection Class: industrial, against dust and water jettings Drop resistance: 1.2m onto concrete Electrostatic discharges protection up to 15KV
DIMENSIONS	168x44x22mm
WEIGHT	240 grams; 255 grams (F725/RF)

*transmission distance depends on environment characteristics

Accessories

- > Development System (DS-725) and C51 C Compiler
- > PowerGen 2000 for F725, Rapid Application Development System
- > Utility Tools for F725 application package
- > Formula 433MHz Narrow band Wireless Communications System
- > F925 single slot and F925/4 multi-slot Transceiver/Chargers



Formula 725 and Formula 925 Transceiver/Charger

DATA LOGIC
Bar Code & More

We reserve the right to make modifications and improvements

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Datalogic Quality Partner



These products are available through the European network of Datalogic Quality Partners

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