Formula 630
Display Pen

Features

l   Compact and lightweight

l   High reading capability and resolution

l   Preloaded application program

l   128KB of data memory

l   LCD graphic display

l   C programmable

Applications

l   Office automation

l   Work-in-progress tracking

l   Warehousing

l   Technical assistance

l   Orders picking

l   Market research/opinion poll

General Description

Formula 630, Display Pen with integrated optical reader, is a lightweight and versatile Pen Terminal ideal for those data collection activities where size, weight and cost requirements are the determing factors.

It is are designed to suit many applications such as stock control, warehousing, document control, retail sale, opinion polls, market research and even waiter service.

The **Formula 630** Display Pen is able to read all bar code symbologies used in industry and commerce today, under any ambient light conditions, from direct sunlight to total darkness and they are protected against dust, water jettings and electrostatic discharges.

Available with a pre-loaded application, it offers 128KB of data memory and features a LCD graphic display with software controlled icons and two scroll keys for memory query, allowing easy and productive dialogue between user and pen terminal itself.

The instant they are captured, codes are automatically discriminated, decoded and sequenced according to a preset order, matched to a quantity, time and date, and stored permanently till you decide to download them to the host computer for later and further processing.

Data transfer takes place via RS-232 or RS-485 serial connection by simply inserting the terminal into the *Formula 951* Optical Transceiver/Charger.

Furthermore, by using the *Development System 630*, the **Formula 630** is completely programmable in C language, allowing the user to perform an easy modelling of the terminal's functions to create all the programs to meet specific individual, business or company needs.
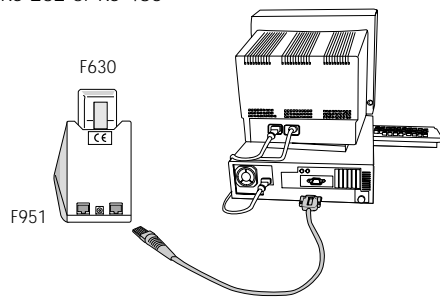
Models and Accessories

MODEL	DESCRIPTION	ORDER NO.

Specifications

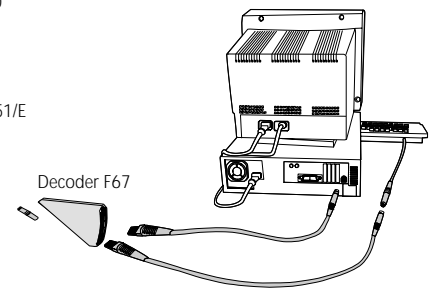|	
OPERATIVE SYSTEM	Datalogic Proprietary
PROCESSOR	8 bit CMOS
SYSTEM MEMORY	64KB Flash dedicated to the application program; 128KB for data
DISPLAY	High contrast graphic LCD
SCREEN FORMAT	4 lines of 16 characters with icons
KEYBOARD	2 scroll keys and 1 ON key
SIGNAL TO OPERATOR	Bicolor LED and piezoelectric buzzer
CLOCK/CALENDAR	Quartz controlled RTC, programmable date/time
INTEGRATED READER	660nm red-light pen
	Scan rate: da 50 a 800mm/sec
	Minimum resolution: 0.18mm
	Reading angle: 0° - 40°
	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 via optocoupler between F630 and F951; RS-232 or RS-485 between F951 and PC Transmission speed: 300 to 19200 bit/sec
KEYBOARD EMULATION	(via F67) PC XT-AT, PS/2, IBM, WISE, HP and other
POWER SOURCE	250mAh NiCd batteries
AUTONOMY	18 h (with reading every 45″)
RICARICA BATTERIE	Via F951 Transceiver/Charger
ENVIRONMENT	Operating Temperature: da 0 a +50°C
	Protection: industrial, against dust and water jettings
	Drop resistance: 1.2m onto concrete
	Electrostatic discharges protection up to 15KV in air
DIMENSIONS	140x44x16,5mm
WEIGHT	95 gr

Connections

Serial RS-232 or RS-485

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