Formula 630
Display Pen

Features

- Compact and lightweight
- High reading capability and resolution
- Preloaded application program
- 128KB of data memory
- LCD graphic display
- C programmable

Applications

- Office automation
- Work-in-progress tracking
- Warehousing
- Technical assistance
- Orders picking
- 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.
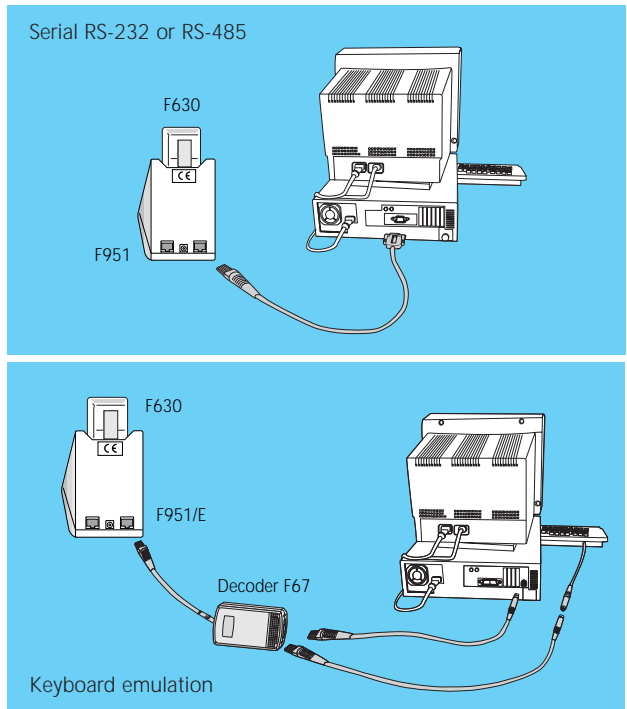
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Models and Accessories

MODEL	DESCRIPTION	ORDER NO.
F630	Display Pen 128KB	940204000
ACCESSORIES		
F951	Transceiver/Charger - RS-232 / RS-485	94A15401X
F951/C	Charger	94A15400X
F951/E	Transceiver/Charger - RS-232 and keyboard emulation	94A15431X
F950/4	Transceiver/Charger - 4 slots - RS-232 (x1) / RS-485 (x4)	94A15403X
F950/4/C	Charger - 4 slots	94A15400X
F950/4/A/E	Transceiver/Charger - 4 slots - RS-232 (x1) / keyboard emulation (x1)	94A15432X
F950/4/RS 232	Transceiver/Charger - 4 slots - RS-232 with NCK for RS-485	94A15404X
FBK 630	Battery kit for F630	94ACC4160
FBS 630	Set of batteries for F630 (5 pcs pack)	94ACC4170
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
FCB KBDE	Cable for connection between F951/E and F67 decoder for keyboard emulation	94A054220
DEVELOPMENT SYSTEM F630	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 specific emulation code

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

F630

F951

F630

F951/E

Decoder F67

Keyboard emulation

DATALOGIC
Bar Code & More

We reserve the right to make modifications and improvements

Australia
Datalogic PTY. LTD
Tel.+61 3/95589299
Fax+61 3/95589233
sales@datalogic.com.au

India
Datalogic (India) Private Ltd.
Tel.+91 80/5584440
Fax+91 80/5582896
datalogic@vsnl.com

Sweden
Datalogic AB
Tel.+46 40/385000
Fax+46 40/181849
info@datalogic.se

Austria
Datalogic Handelgels MBH
Tel.+43 2236/25882
Fax+43 2236/258825
office@datalogic.co.at

Italy
Datalogic S.p.A.
Tel.+39 051/6459211
Fax+39 051/726562
info@datalogic.it

United Kingdom
Datalogic UK Ltd.
Tel.+44 1582/464900
Fax+44 1582/464999
enquiries@datalogic.demon.co.uk

Denmark
Datalogic AB
Tel.+45 44/209970
Fax+45 44/209972
info@datalogic.se

Japan
Izumi Datalogic Co.,Ltd.
Tel.+81 78/2723400
Fax+81 78/2722003
idlmarke@izumi-datalogic.co.jp

U.S.A.
Datalogic Inc.
Tel.+1 606/6897000
Fax+1 606/3344970
info@datalogic.com

France
Datalogic France S.A.
Tel.+33 1/60921111
Fax+33 1/60921340
dlfrance@worldnet.fr

Netherlands
Datalogic Optic Electronics BV
Tel.+31 346/572888
Fax+31 346/568736
info@datalogic.nl

Germany
Datalogic GmbH
Tel.+49 7026/6080
Fax+49 7026/5746
info@datalogic.de

Spain
Datalogic France S.A.
Tel.+34 93/3221227
Fax+34 93/4394136
datalogic@sei.es

AUDIN
Composants & systèmes d'automatisme
7 bis rue de Tinqueux - 51100 Reims - France
Tel. +33(0)326042021 • Fax +33(0)326042820
http://www.audin.fr • e-mail info@audin.fr

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