formula™

Pocket-sized Laser Terminal

LASER

USB

RS232

Li-Ion Battery

Only 7.3 oz!

HIGHLIGHTS

• LIGHTWEIGHT AND HANDY
Put Formula™ power in your shirt pocket! Small and slim, with excellent ergonomics, the new Formula™ adapts to any situation, anywhere, with superior utility.

• USER FRIENDLY
The compact body features a crisp display to view character-based data. Adjustable display brightness enhances display readability in a wider range of lighting conditions. In addition, the numeric keyboard's intuitive layout reduces user fatigue.

• EASY TO CONNECT
Serial and USB connectors on the product bottom offer standard cabled connections to any device. A Bluetooth® option enables seamless wireless connection of the Formula™ to any kind of PC.

• ROBUST AND STABLE
Rugged construction protects the terminal from unintentional drops and exposure to water and dust. A proprietary operating system and the mature microprocessor ensure working stability, today and tomorrow. High capacity on board memory manages large data quantities and simultaneous applications. User-accessible SD card slot expands the memory for backup data or large database management.

• ALL-IN-ONE PACKAGE
The Formula™ comes with a mini USB cable and a "world-wide" power supply via country specific adapters (EU, USA, UK, AU).
Basic software applications available in the box include:
  • Code Quantity
  • Inventory
  • Picking

FEATURES

- • High Performace Laser Reader
- • Ergonomic, compact and robust
- • Easy to read display
- • User-accessible SD memory slot
- • Lightweight 206 g (7.3 oz)
- • 1.2 m (4 ft) drop resistance
- • IP54 protection class
- • USB and RS232 connectors on board
- • Optional Bluetooth®

APPLICATIONS

- • Inventory
- • Shelf replenishment
- • Price management
- • Order entry
- • Assisted sales
- • Asset Tracking

◇DATALOGIC™

formula™

Specifications

PHYSICAL CHARACTERISTICS

DIMENSIONS	152 x 55 x 40 mm (5.98 x 2.17 x 1.57 in) (maximum)
WEIGHT	206 g (7.3 oz) incl. standard battery
DISPLAY	Ultra-bright LCD with backlight; 16 lines x 16 characters
KEYBOARD	Numeric with 25 silicon rubber keys
	(4 navigation keys + 4 function keys)
OPERATING TEMPERATURE	0 to 50 °C (32 to 122 °F)
STORAGE TEMPERATURE	-20 °C to 70 °C (-4 °F to 158 °F)
DROP RESISTANCE	Resists drops from 1.2 m (4 ft) onto concrete
ENVIRONMENTAL SEALING	IP54 standard for water and dust resistance

SYSTEM

OPERATING SYSTEM	Datalogic proprietary
MICROPROCESSOR	8 bit CMOS
SYSTEM RAM MEMORY	1024 KB RAM for data
SYSTEM FLASH MEMORY	512 KB Flash dedicated to the application program
EXPANSION SLOTS	Secure Digital (user accessible)
SIGNAL TO OPERATOR	4 LED; magnetic buzzer programmable frequency and duration
CLOCK/CALENDAR	Quartz controlled RTC; programmable date and time
POWER SUPPLY	Removable battery pack with rechargeable Li-Ion batteries;
	3.6 V 1000/2000 mAh (3.6/7.2 Watt hours); alkaline batteries compatible
	Local customized connector for fast battery charging

COMMUNICATIONS

INTERFACES	Electrical: integrated RS232 up to 115.2 Kbps
	USB: integrated high speed USB and mini USB connector (USB 1.1)
PERSONAL AREA NETWORK (PAN)	Bluetooth® V2.0+EDR (optional)
	Integrated module

READING OPTIONS

LASER CHARACTERISTICS

SCANNING RATE	104 ± 12 scan/sec
MINIMUM RESOLUTION	0.10 mm / 4 mils
DEPTH OF FIELD	5 to 90 cm (2 to 35 in), depending on bar code density
BAR CODES	EAN13, EAN128, UPC/A-E, 2/5 family, Code 128, Code 93,
	Code 2/7, 3/9 family, MSI, Delta A IBM, Codabar (NW7), PAKO,
	Zellweger, Storagetek
LASER CLASSIFICATION	VLD - Class 2/II EN 60825-1/CDHR

SOFTWARE

BASIC DEVELOPMENT	*READY TO USE APPLICATIONS*
Software Developer's toolkit	Standard Code Quantity application
	Enhanced configurable application
ENTERPRISE DEVELOPMENT	
EasyGen Rapid Application Generator	

⚠ Caution: Laser Radiation - do not stare into beam

Accessories

Inside the box

Single Cradle

Please refer to user manual available at www.mobile.datalogic.com/manuals for information on product use limitations.

For more information and software downloads see: www.mobile.datalogic.com/formula

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DATALOGIC MOBILE