

MW25

Pen-sized Portable Terminal

Features

- Solid but lightweight construction
- High contrast LCD display
- High durability Ni-Cd batteries
- 256 Kbytes data and program memory
- "C" programmable
- Optical communication interface
- High and Low resolution versions available
- Ready to start built-in program

Applications

- Work-in-progress tracking
- Inventory management
- Job costing
- Route tracking
- Technical assistance
- POS data collection
- Market research/statistics
- Security systems
- Health care
- Time and attendance without wiring

General Description

The **MW25** is a portable terminal for data collection and bar code reading.

With housing about the size of a traditional optic pen, **MW25** weighs only a few grams and can be easily inserted into a jacket pocket, even if it has enough memory space and autonomy for collecting data all day long.

Operation is greatly simplified as only three keys allow all bar code reading functions, all data collection verification and transmission to the host computer.

MW25 is provided with a built-in standard program which allows all basic data collection and transmission operations without developing a special software.

In case customizing operations are necessary, the **MW25** is completely "C" programmable. The several available functions (included a real time clock) allow optimization of data collection operations according to the user's specific requirements.

The choice of two optic resolutions (high and low) allows the most suitable reader to achieve the best reading performance. The various accessories for data transmission and battery recharging allow flexible and efficient configuration of the whole system.

MW25 is the best choice in all applications where reliability and ease of use must work together with autonomy and the operator's mobility, such as in security systems, inventory, Work-in-Progress tracking (WIP), technical assistance and Health Care.

OR20

RS232 optic communication interface and intelligent battery charger

The RS232 optic interface of the OR20 allows contactless transmission of data collected by the MW25 through the RS232 serial line.

This solution is particularly reliable since repeated recharges do not wear out contacts of the serial line.

Transmission is bidirectional, therefore, it is also possible to download application programs and control parameters from the host computer to the pen.

During transmission, the OR20 maintains automatically the recharging level of the batteries in order to avoid partial charging, that could reduce durability.

Recharge time lasts less than 12 hours and can be activated by simply pressing a key: a red and a green led indicates the recharging phase and the charged batteries' condition respectively.

OR10-1 / OR10-4

RS485 optic communication interface and battery charger

The OR10-1 and the OR10-4 optic interfaces allow connection of one or more MW25's to a RS485 serial line, making it possible to realize collection data points in a multidrop configuration.

In the most complex configuration, up to 128 pens in 32 different data collection points can be connected, using only one connection point of the host computer.

The OR10 also provides for battery recharging of the plugged-in pens.

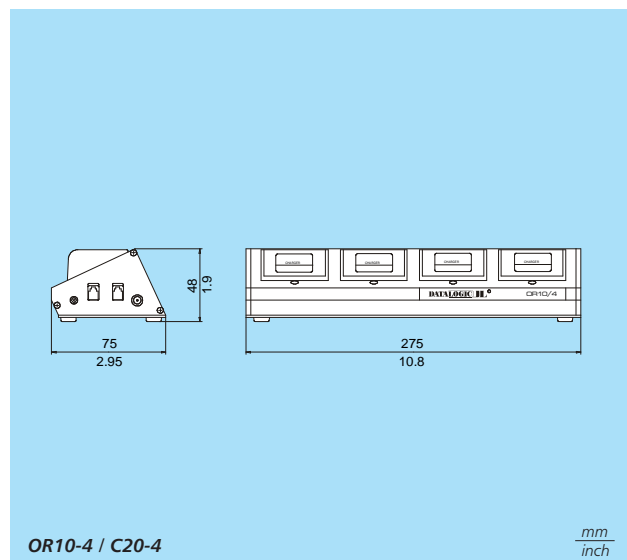
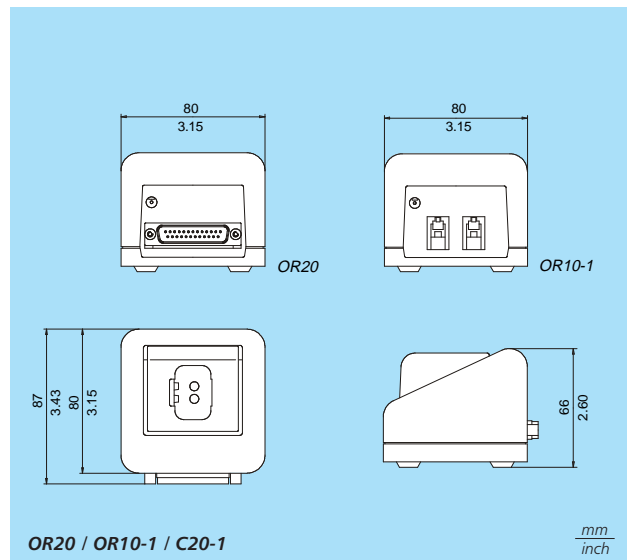
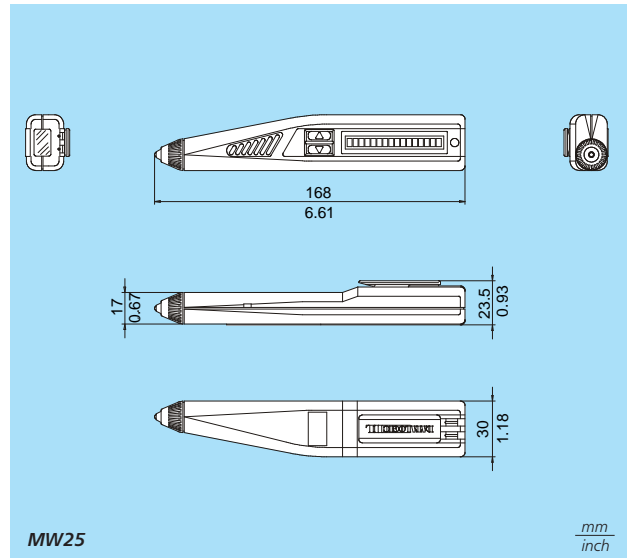
C20-1 / C20-4

Intelligent battery chargers

The C20-1 and C20-4 are smart battery rechargers that allow recharging of one and four MW25's.

The recharging time lasts less than 12 hours in the OR20 and is activated simply by pressing a key: a red and a green led indicates the recharging phase and the charged batteries' condition respectively.

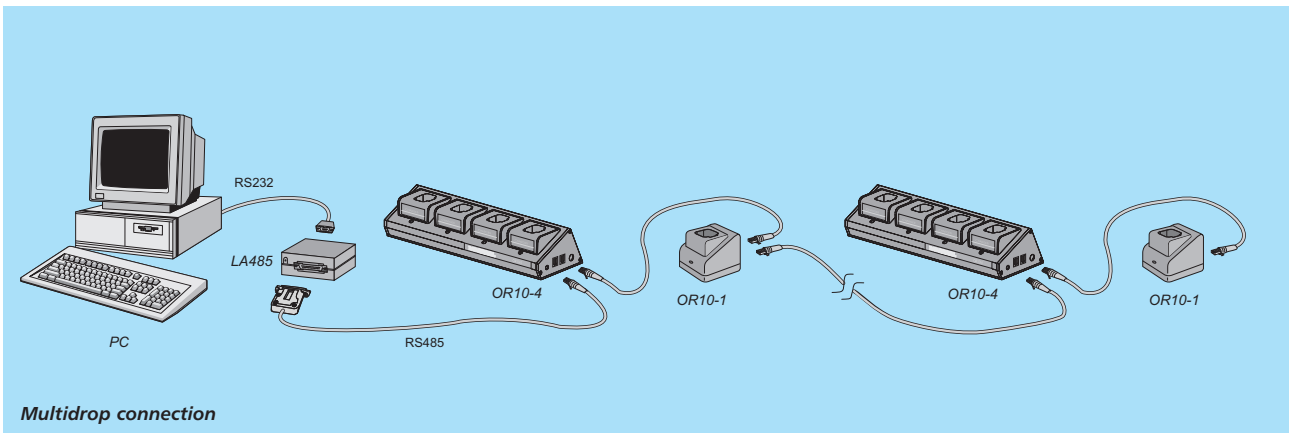
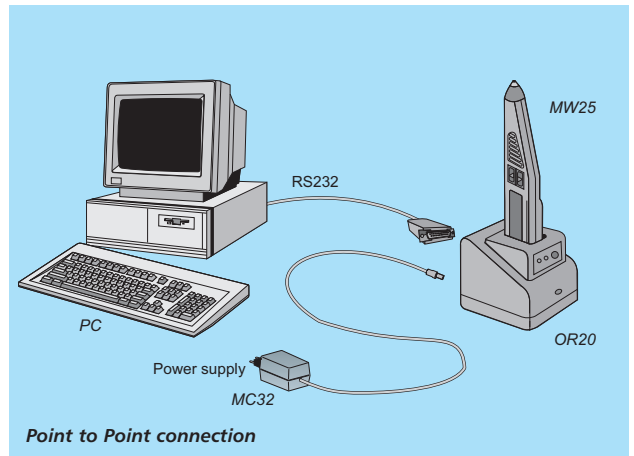
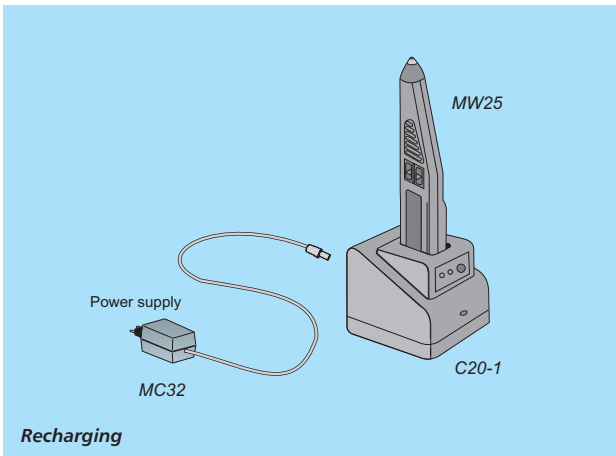
Dimensions



Applications



System Configuration



Models and Accessories

| TYPE | DESCRIPTION | ORDER NO. |
|------------------------|---|------------|
| MW25-1 | High resolution (6 mils) optic pen with display | 903201000 |
| MW25-2 | Low resolution (15 mils) optic pen with display | 903201010 |
| ACCESSORIES | | |
| C20-1 | Battery charger | 92D211000 |
| C20-4 | Multiple battery charger | 92D311000 |
| OR20 | RS232 optic communication interface and battery charger | 92C211000 |
| OR10-1 | RS485 optic communication interface and battery charger | B9751070 |
| OR10-4 | RS485 multiple optic communication interfaces and battery charger | B9751071 |
| LA485 | RS232/RS485 converter | B9751076 |
| MC32/DV-9300 | Power block (110 Vac) | B9751074 |
| MC32/DV-9300UP | Power block (220 Vac) | B9751035 |
| MC32/DV-9300UK | Power block (240 Vac) | B9751079 |
| CAB5013 | OR20 to RS232 connection cable | BF08005013 |
| CAB5024 | OR10-1/4 to OR10-1/4 RS485 connection cable | BF08005024 |
| CAB5026 | LA485 to OR10-1/4 RS485 connection cable | BF08005026 |
| CAB5027 | LA485 to RS232 connection cable | BF08005027 |
| DSD-10 | Software development system in "C" language | 90A101030 |
| Programming menu cards | | B9751097 |

Specifications

| | | | |
|--|---|-----------------------|---|
| POWER SUPPLY | Ni-Cd 110 mA/h rechargeable batteries with power saving isolating switch for use when device is inactive for long periods of time | READABLE BAR CODES | 2/5 family, Code 39, EAN/UPC, Code 128, Code 93, Code 32, Codabar, EAN/UPC, MSI, Telepen, Plessey |
| LIGHT SOURCE | Visible red LED (660 nm) | TRANSMISSION FORMAT | 7 bits with 1 or 2 stop bits |
| SCAN RATE | 50 to 1200 mm/sec. (1.97 to 47.24 in./sec.) | BAUD RATE | 300, 1200, 4800, 9600, 19200 bauds |
| READING DISTANCE | 0 to 1 mm (0 to 0.04 in.) | PARITY | Odd, Even, None |
| MAX. RESOLUTION | 6 mils (0.15 mm) 15 mils (0.38 mm) | KEYBOARD | 2 keys for data scroll 1 key for reading bar codes |
| READING ANGLE | 0 to 30° | DISPLAY | 1 line by 16 characters LCD |
| PRINT CONTRAST VALUE | 0.50 min. | DIMENSIONS | 168 x 30 x 24 mm (6.6 x 1.2 x 0.9 in.) |
| MEMORY CAPACITY | | WEIGHT | 85 g (3 oz.) |
| <i>Data storage</i> | 128 KBytes RAM (over 5000 codes 13 characters long) | CASE MATERIAL | Polycarbonate |
| <i>Operating system and application programs</i> | 128 KBytes FLASH EPROM | OPERATING TEMPERATURE | 0 to 50 °C (32 to 122 °F) |
| READING INDICATOR | LED, beeper and display | STORAGE TEMPERATURE | -20 to 70 °C (-4 to 158 °F) |
| INTERFACES | | HUMIDITY | 90% non condensing |
| <i>RS232</i> | Through the OR20 | DROP RESISTANCE | IEC 68-2-32 Test ED (1 m drop to concrete) |
| <i>RS485</i> | Through the OR10-1 and OR10-4 | PROTECTION CLASS | IP40 |

DATA LOGIC DL
Bar Code & More

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