

DIBAL

500 RANGE SCALES



MISTRAL SERIES

- MISTRAL SERIES scales belong to **500 RANGE**, the new family of DIBAL scales, outstanding for design, technology and performance.

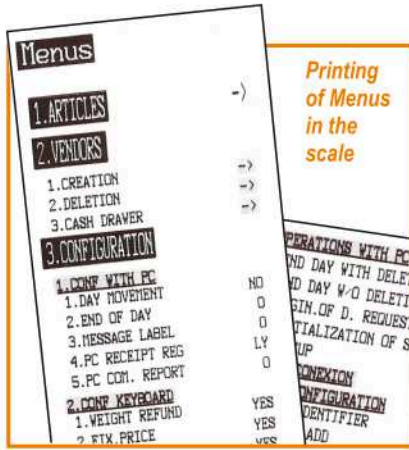


Capacities

- Mono-range (3.000 divisions):**
15 kg - 5g
30 kg - 10g
- Multi-range (3.000 divisions):**
6 kg - 2g # 15kg - 5g
15 kg - 5g # 30 kg - 10g
- Mono-range (6.000 divisions):**
12 kg - 2g
30 kg - 5g

Display

- Segments display or graphic display.
- Both of them can show weight, price, total and tare, active vendors and name of the product.
- Additionally, graphic display can show logos, profitability codes (in vendor side), publicity with templates system and special dynamic effects,... and allow to choose between 4 "screen designs".



Printing of Menus in the scale



"Drill-Down" Menu

Easy programming and operation

- MISTRAL SERIES scales have been designed thinking on the needs of users and service departments:
 - "Drill-Down" Menus.
 - Menus can be printed in the scale.
 - Special keys for direct access to programming menus: change a price, include a new PLU or vendor, sales reports,...
 - Direct access to 999 PLUs from keyboard.
 - Search of PLUs by number (M-520 and M-525).
 - Search of PLUs by name (M-520 and M-525): typing the initial characters of the name, the display shows the matching items.
 - 2 programmable "Macros" (M-520 and M-525): recording of a sequence of keys, to create a "shortcut" to any task: change of batch number, access to programming parameters, receipt reopening, reports, etc. .
 - Security: configurable password system.



Direct access to 999 PLUs

Amazing functionality

- Depending on model, MISTRAL SERIES scales are supplied with up to 5.000 PLUS, up to 70 preset keys and up to 10 vendors (see table on back cover).
- Complete information for each PLU:
 - Regular price.
 - Price by weight segments and per kg/100 g (M-520 and M-525).
 - 2 names of 20 characters (1 name in M-510 and M-515).
 - 10 free texts of 24 characters (5 texts in M-510 and M-515).
 - 1 text of 1.024 characters (M-525).
 - Profitability code.
- Sales and management reports: sales (by article, vendor, time slots, last month,...), margins, cash drawer report, last modified PLUs,...
- Fast and reliable communications among scales, PC and mobile devices including new DWS (Dibal Web Server).

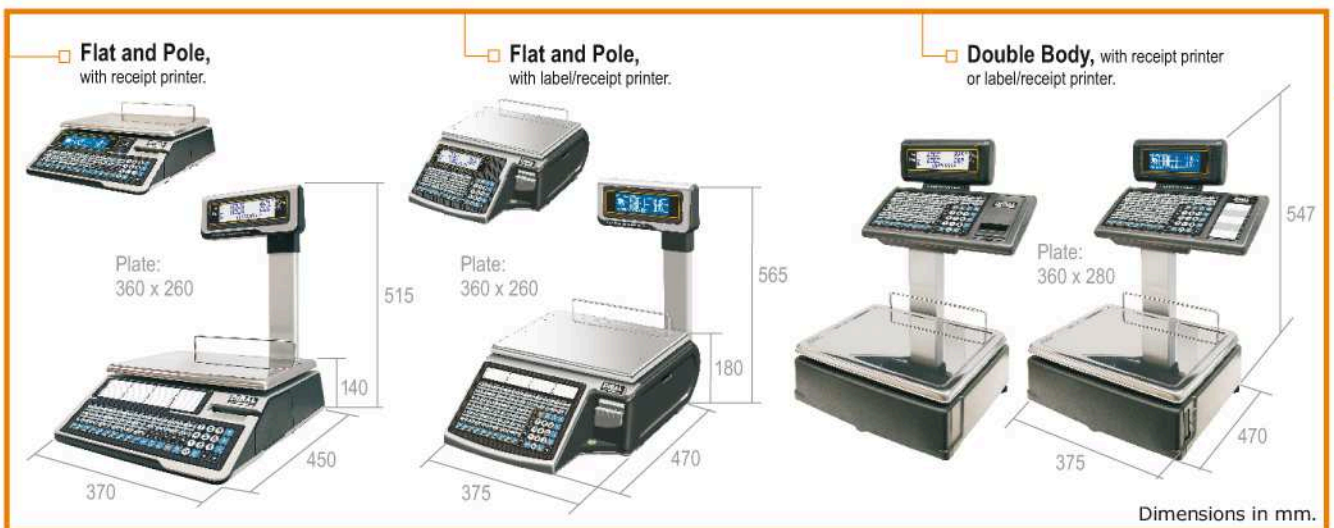
Fiscal mode (dep. on countries)

- With this option activated, the scale will keep a full copy of all receipts printed, allows printing a list of them and keeps consecutive numbers of receipts throughout the fiscal period.

Stocks management in the scale

- Entry of initial stock.
- Register of sales, deducted from stock.
- Display and print reports of stock by PLU.
- Adjustment of stock after physical inventory.
- Information can be sent to PC.

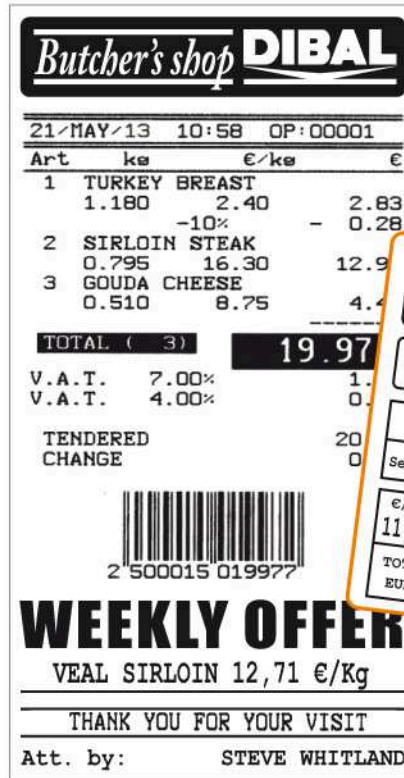
Formats and Dimensions



Dimensions in mm.

Printing

- **High resolution (2", 54 mm) and fast printer: up to 100 mm/second** (80 mm/s in M-510/M-515 and 60 mm/s in "B" models with internal battery).
- **Receipts:**
 - Up to 40 lines.
 - 2 fixed formats + 1 programmable (M-520/M-525). (only 2 fixed formats in M-510 and M-515 models)
 - 4 logos per receipt (M-520 and M-525).
 - Vendor's name (M-520 and M-525).
 - 9 payment modes.
 - Total in €, old national currency and 2 additional currencies.
 - Discounts on line and total.
 - Clients on account (M-520 and M-525).
- **Labels:**
 - 20 fixed formats + 10 programmable (M-525). (20 fixed + 5 programmable in M-515)
 - From 30x30 up to 60x100 mm (M-525). (up to 60x80 mm in M-515)
 - 40 logos.
 - 40 fields of information.
 - 100 programmable texts.
 - Manual and automatic pre-packing modes.
 - 3 levels of totals (M-525).
 - Printing of a preset number of copies (M-525).
 - Printing with 90°-180°-270° rotation (M-525).
 - "Opto" automatic adjustment for paper detection.
 - Global expiration date (M-525).
 - Alphanumerical batch (M-525).



Cassette (scales with label printer)

- Immediate change of the paper roll, featuring a **cassette**.
- **Linerless (adhesive paper rolls without backpaper):**
 - M-525 model can be supplied with "linerless" option, to print adhesive labels or receipts without backpaper.
 - The scale can print labels of variable length -with no waste of paper- or adhesive receipts (that can be used to close the customer bag).
 - Linerless system benefits our environment, as there is no backpaper waste.
 - Scales with linerless option can also print conventional receipts or labels, simply changing the cassette and operation mode.

Barcodes

- **MISTRAL SERIES** scales can print in both receipts and labels **EAN-13** and **GS1 DataBar** barcodes.
- Moreover, M-520 and M-525 models also allow the **connection of a scanner, powered by the scale (5 VDC)**, to read these barcodes.



Generic traceability (labels)

- Including **EU Bovine Meat Regulations**.
- **2 types of generic traceability** (for meat, fish, fruits, vegetables,...) and **up to 20 products** in M-525 (1 type and up to 10 products in M-515).



Easy maintenance

- Local/remote, with/without assistance.
- Internal firmware updateable from PC.
- On line checking and modification of technical parameters, by means of optional DWS (Dibal Web Server).
- Access to all non metrological components of the scales without breaking metrological seals.

Power supply - Rech. Batteries

- Mains: 110 or 230 VDC.
- "Anti black-out" battery, optional depending on models.
- "B" models, with long lasting internal rechargeable battery: up to 52 hours. (calculated for 1.500 receipts, 3 articles per receipt).*
- Optional external battery connector.

* With segments display and backlight off. Load and range of rechargeable batteries can vary substantially depending on temperature, age and general state of batteries, printing frequency, networking, etc.

PC Software

- Applications, running on Windows, to connect MISTRAL SERIES scales to PC:

RMS: Retail Management Software
DLD: Dibal Label Designer

- **RMS+DLD:** programming the scales, design labels/receipts (DLD) and commercial management of data received from scales (lists, invoices, warehouses, customers, offers, etc).

DFS: Dibal Friendly Software
DLD: Dibal Label Designer

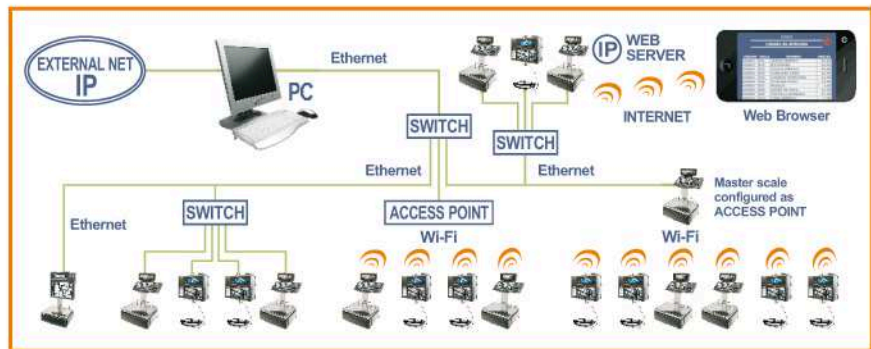
- **DFS+DLD:** programming the scales, design labels/receipts (DLD) and reception of data with fully configurable lists. It stands out for its ease of use, speed of communication and simultaneous connection with all scales.

- Moreover, Dibal supplies integration tools running on Windows or Linux, to facilitate the integration with customer's "Back-Office".



Communications

- Interconnection and computer connection of scales based on ETHERNET TCP/IP, as standard, and Wi-Fi (802.11) or Homeplug, as an option.
- In Wi-Fi communications, Access Point is not needed, as the Wi-Fi internal module of scales can be configured as Access Point.
- Interconnection of up to 10 scales per section (5 in M-510 and M-515 models), on "master + slaves" or "master + submaster + slaves" configuration.



DWS: Dibal Web Server

- MISTRAL SERIES scales can incorporate DIBAL WEB SERVER (DWS) embedded, allowing access to each scale -through the IP address- from any computer or mobile device (smartphone, tablet,...) with web browser. Access is protected by several levels of passwords.
- Thanks to DWS, many parameters of the scale can be remotely checked and/or modified:
 - Technical Service: consult and modification of technical parameters.
 - Sales Information: consult of total and detailed sales.
 - Information and Management: "on-line" lists and modifications.



Table of Models

OPT. = Optional. * Using Shift and Vendor keys. ** Except for Hanging ABS format.

MODEL	FORMAT					DISPLAY	PLUs				PRINTER		COMMUNICATIONS					BATTERY						
	FLAT (F)	POLE (P)	DOUBLE BODY (DB)	HANGING ABS (HA)	HANG. ST. STEEL (HS)		SELF-SERVICE (AS)	SEGMENTS LCD	GRAPHIC LCD	TOTAL PLUs	DIRECT PLUs (maximum dep. on format)	MACROS	VENDORS	PAPER TYPE	SPEED maximum (mm/second)	LINERLESS	INTER-CONNECTION (ETHERNET) N° SCALES	ETHERNET TCP/IP	WI-FI IEEE 802.11	HOMEPLUG	SCANNER	CASH DRAWER	HIGH CAPACITY + EXTERNAL BATTERY CONN.	ANTI BLACK-OUT + EXTERNAL BATTERY CONN.
M-510	•	•	•	•	•	•	•	•	2.000	45x2 + 4x2*	-	5	Receipt	80	5	•	OPT.	OPT.	•	•	•	•	OPT.**	
M-510 B	•	•	•	•	•	•	•	•	2.000	45x2 + 4x2*	-	5	Receipt	60	5	•	OPT.	•	•	•	•	•	•	
M-515	•	•	•	•	•	•	•	•	2.000	45x2 + 4x2*	-	5	Label or Receipt	80	5	•	OPT.	OPT.	•	•	•	•	OPT.**	
M-520	•	•	•	•	•	•	•	OPT.	5.000	40x2 + 9x2* (F,P) 70x2 + 9x2* (DB, HA, HS)	2	10	Receipt	100	10	•	OPT.	OPT.	•	•	•	•	OPT.**	
M-520 B	•	•	•	•	•	•	•	OPT.	5.000	40x2 + 9x2* (F,P) 70x2 + 9x2* (DB)	2	10	Receipt	60	10	•	OPT.	•	•	•	•	•	•	
M-525	•	•	•	•	•	•	•	OPT.	5.000	40x2 + 9x2* (F,P) 100 (SS) 70x2 + 9x2* (P, DB, HA, HS)	2	10	Label or Receipt (only Label in Self-service format)	100	OPT.	10	•	OPT.	OPT.	•	•	•	•	OPT.**