

# 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.



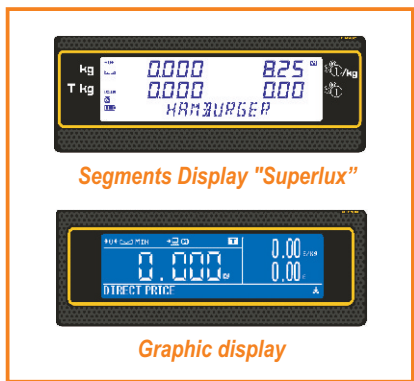
WIND MISTRAL TORNADO STAR

**Capacities**

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

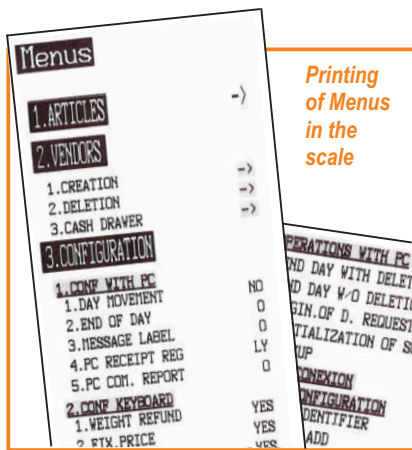
**Display**

- 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".

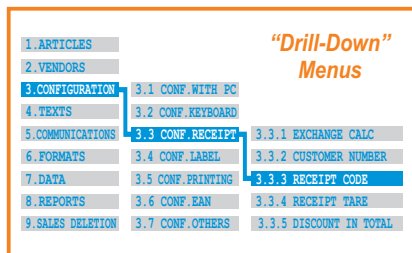


Segments Display "Superlux"

Graphic display



Printing of Menus in the scale



"Drill-Down" Menu

**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)**.

**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

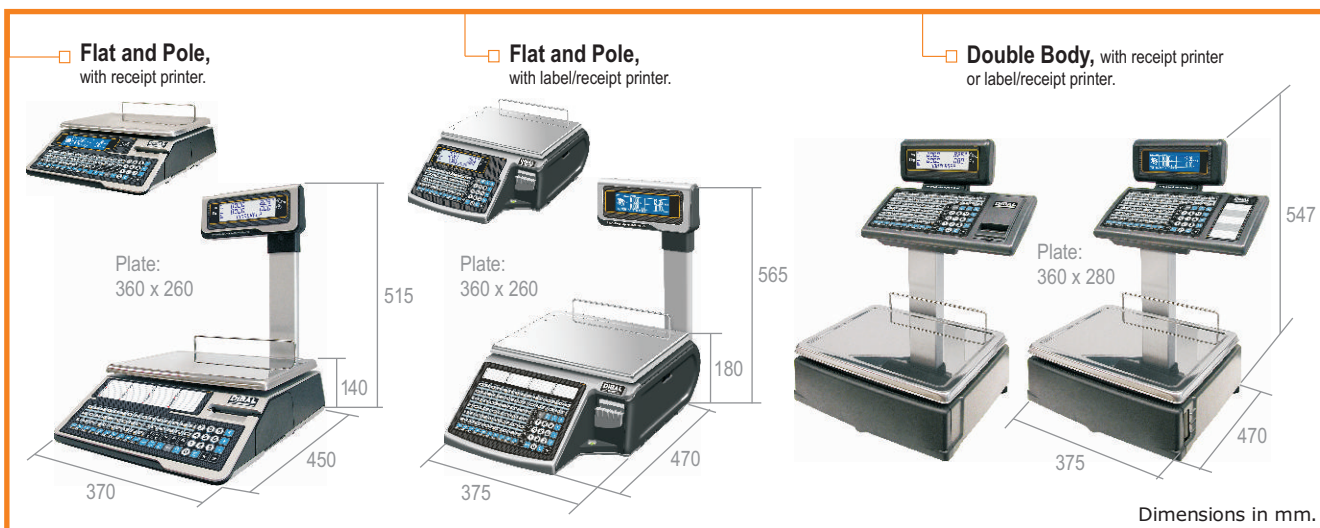
**Fiscal mode (dep. on countries)**

- 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**



Flat and Pole, with receipt printer.

Flat and Pole, with label/receipt printer.

Double Body, with receipt printer or label/receipt printer.

Plate: 360 x 260

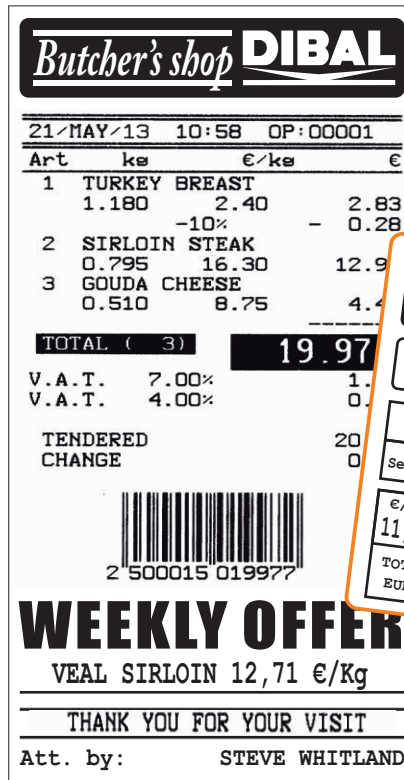
Plate: 360 x 260

Plate: 360 x 280

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).



## 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).

## 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.



**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).

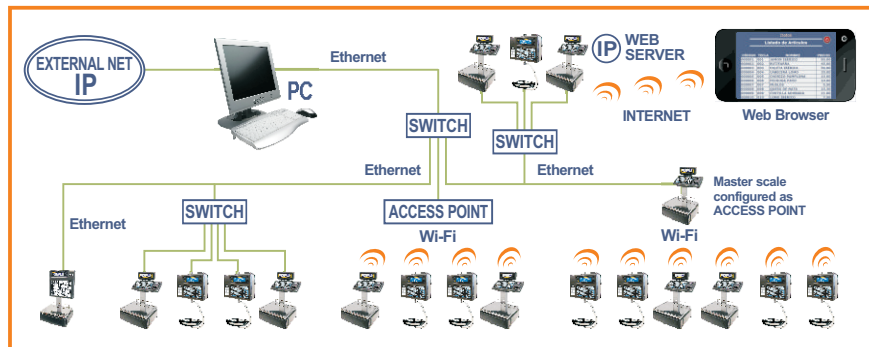
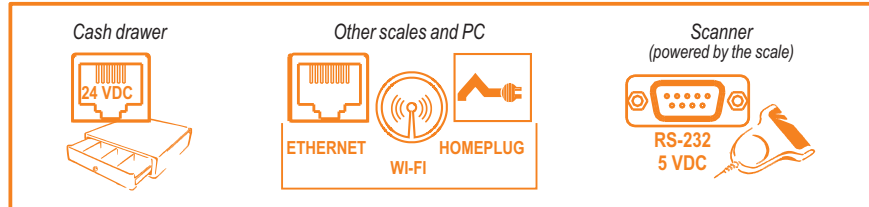
**DFS:** Dibal Friendly Software  
**DLD:** Dibal Label Designer

- **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.
- 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)   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.**