

# DIBAL

## F Series Scales



- Price computing
- Weight only
- Piece counting

**Retail and industrial scales,  
with RS-232 communications**

# F Series Scales

## General characteristics

**Formats:** Flat or Tower (just for price computing model).  
**Versions:** Price computing, weight only or piece counting (total weight, weight by piece and No. of pieces; internal resolution: 1 / 1.000.000).

**Capacity - Accuracy:** 6 kg - 2 g, 15 kg - 5 g or 30 kg - 10 g. Optional multi-range (check availability):

6 kg - 2 g # 15 kg - 5 g / 15 kg - 5 g # 30 kg - 10 g.

**Display:** Backlight LCD (F-210/220 models: 2 displays).

**Keyboard:** Membrane, with protection against humidity.

**Articles (PLUs):** 100 (except weight only models).

**Presets:** 18 (9 x 2 keys).

**Communications:** RS-232.

**The internal software, language and communication protocols can be updated from computer.**

## Communications

**Connection to computer, EPoS or ECR,** by means of incorporated RS-232 port. Communication protocols available for the main brands and models in the market.



- Models with one protocol (F-200, F-210). The change of protocol is made by telecharging the new one from the PC.  
 - Multiprotocol models (F-220). The protocol is selected among all the possible ones in the scale. You can also incorporate new protocols (up to a maximum of 60) by telecharging them from computer.

## Supply

**Multisupply:** Mains + LR14 alkaline batteries (or rechargeable battery, depending on model) + 12 VDC external battery.

In case of mains failure, the scale would automatically begin operating with batteries or rechargeable battery. The internal Battery is recharged from the very scale. The auto switch-off time of the scale is programmable.

### Last of batteries:

- Alkaline batteries: up to 190 hours\*.
- Rechargeable battery: up to 110 hours\* (with fully charged battery).

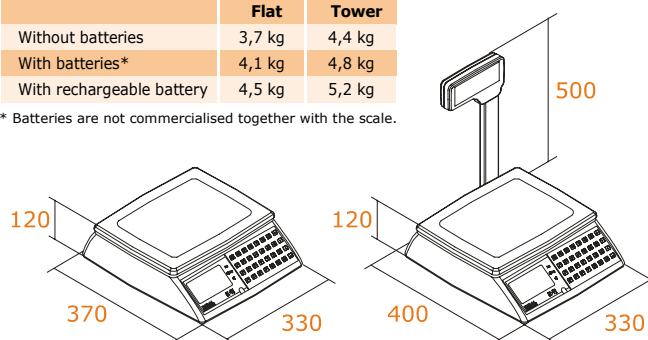
\*Approximate average times with backlight off.

Test of internal rechargeable battery last, after at least 16 hours charge.

## Weight and dimensions (mm)

	Flat	Tower
Without batteries	3,7 kg	4,4 kg
With batteries*	4,1 kg	4,8 kg
With rechargeable battery	4,5 kg	5,2 kg

\* Batteries are not commercialised together with the scale.



## Retail models (price computing scales)



Model	Format	Supply	PLUs	Presets	Communication Protocols
<b>F-210</b>	Flat or Tower	Mains / Batteries / Ext. Battery	100	18 (9 x 2 keys)	1, telecharge from PC
<b>F-210 B</b>	Flat or Tower	Mains / Rech. Battery / Ext. Battery	100	18 (9 x 2 keys)	1, telecharge from PC
<b>F-220</b>	Flat or Tower	Mains / Batteries / Ext. Battery	100	18 (9 x 2 keys)	Up to 60, PC telecharge
<b>F-220 B</b>	Flat or Tower	Mains / Rech. Battery / Ext. Battery	100	18 (9 x 2 keys)	Up to 60, PC telecharge

## Industrial models (weight only and piece counting scales)



Model	Function	Format	Supply	PLUs / Presets	Communication Protocols
<b>F-200</b>	<b>Weight only</b>	Flat	Mains / Batteries / Ext. Battery	-	1, telecharge from PC
<b>F-200 B</b>	<b>Weight only</b>	Flat	Mains / Rech. Battery / Ext. Battery	-	1, telecharge from PC
<b>F-200 CP</b>	<b>Piece counting*</b>	Flat	Mains / Batteries / Ext. Battery	100 / 9 x 2	1, telecharge from PC
<b>F-200 CP B</b>	<b>Piece counting*</b>	Flat	Mains / Rech. Battery / Ext. Battery	100 / 9 x 2	1, telecharge from PC

\* Internal resolution: 1 / 1.000.000

F Series Preliminary Data Sheet - Ref.: 40625. Specifications subjected to change without prior notice.



**DIBAL, S.A.**  
 Astintze, 24 (P. I. Neinver) 48160 Derio (Vizcaya - Spain)  
 Tel.: (+34) 94 452 15 10 - Fax: (+34) 94 452 36 58  
 http://www.dibal.com - E-mail: dibal@dibal.com