New **LP-5000** manual labeller
for **industrial environments**

+ Powerful
· Proprietary software

+ Robust
· Durable materials

+ Practical
· Variety of positions

+ Easy and intuitive
· 10.1" touch screen

+ Applications
· Industrial weighing and labelling

PCAP TOUCH SCREEN

4" PRINTER 250 mm/s

CONNECTABLE TO EXTERNAL ZPL PRINTER

USB

ETHERNET

WI-FI OPTIONAL

PLUS, FORMATS, CLIENTS AND TRACEABILITY UNLIMITED

OPERATORS UNLIMITED

CONNECTABLE TO 1 PLATFORM UP TO 16 LOADCELLS

CONNECTABLE TO 2 PLATFORMS UP TO 16 LOADCELLS OPTIONAL

CONNECTABLE TO SCANNER

M
METROLOGICAL VERIFICATION OPTIONAL (EU)

dibal.com

DIBAL

The **LP-5000 labeller** is specially designed for **food industries** with harsh environments that need to **manually weigh and label, take weights** quickly **and export them to IT systems.**

This is a labeller - weight indicator for manually labelling products with variable, fixed and/or unit weight for medium-low production volumes, products with special shapes that cannot be labelled automatically, require special labels (special shapes and/or materials), or need to be labelled in confined spaces.

Its **proprietary software** makes it easy to **set up and program everything**: variables, barcodes, articles, clients, label formats (including on-screen graphic design). The LP-5000 is a manual labeller with a versatile, wide-ranging, easy-to-use and intuitive operation.

It is made of **materials resistant** to environmental corrosion: AISI 304L stainless steel, anodised aluminium and ABS plastic, for use in the **most demanding environments** -from 0 °C to 40 °C (down to -10 °C inactive/off) and with humidity between 40-80%- both in the food industry and in any industrial environment in general.

Its **10.1" mobile console** can be adapted to the characteristics of the work area, and can be fixed to the labeller via an anchoring column, to the wall, or detached on a stand. In addition, its **projected capacitive touch screen** supports the use of most gloves. This makes it **more ergonomic** in use.

Its **weighing and labelling application** has been **developed following UX/UI design principles** to achieve a very simple and intuitive application.
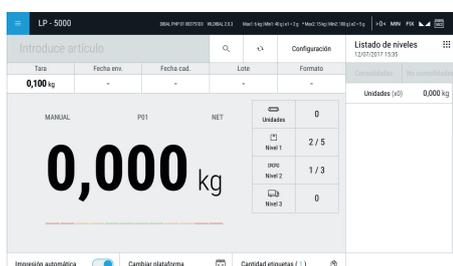
Home screen (light mode).

Levels of totals screen (dark mode).
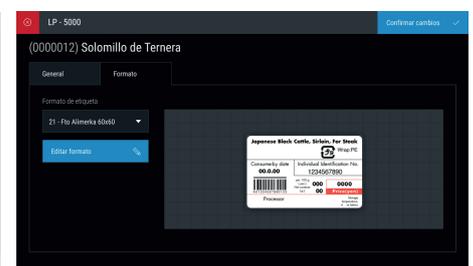
Label design screen (dark mode).

Features and functions

Outstanding functions

- Possibility of labelling fixed/variable weight or amount.
- Checkweigher mode with filling display on the status bar.
- Access to settings and uses depending on user levels.
- Complete, easy-to-edit job information for quick on-screen changes (client, batch, price, tare, dates, traceability, label format...).
- Graphic designer of labels in the equipment for creating and editing formats.
- Order management.
- Tares: fixed, glaze percentage, accumulative...
- Generic traceability on label.
- Label management of totals (up to 3 levels) for easy editing and reprinting.
- Option to print text in different languages (UNICODE).
- Own print fonts and any kind of TTF fonts.
- Loading and processing of logos and easy printing images.
- Front USB interface for full or partial backups, uploading logos and images, and importing/exporting data.
- Configuration and printing of most one- and two-dimensional barcodes.
- Adapted to comply with EU regulation 1169/2011 on food labelling information.
- Automatic or manual label printing of products with variable weights, or pre-programmed for fixed weight or non-weighed articles.
- Suitable for legal metrology.

Weighing (optional)

- Connection to 1 weighing platform up to 16 loadcells with metrological verification.
- Optional:
  Connection to 2nd weighing platform up to 16 loadcells with metrological verification.
- Wide possibility of ranges.
- Accuracy:
  Multi-range (3,000 divisions), mono-range (6,000 divisions), multi-interval (3,000 divisions).

Labelling system

- Printing type:
  Direct thermal (DT).
- Optional: thermal transfer (TT) (ribbon).
- Printer head:
  4" long life with history control.
- Resolution:
  8 dots/mm.
- Movable paper sensor (can be adjusted for label width and type).
- Printing speed:
  Up to 250 mm/s.
- Control of printer usage for predictive maintenance.

CPU

- Processor: Celeron N3160.
- RAM: 4 GB DDR3 (expandable to 8 GB).
- Hard disc: 128 GB.

Construction

- Structure:
  AISI 304L stainless steel, anodised aluminium and textured ABS.
- Console:
  Stainless steel.
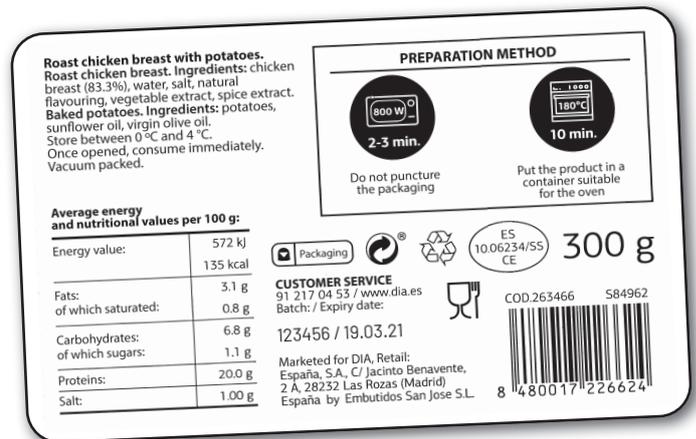
Display

- 10.1" flat TFT projected capacitive touch screen (resolution: 1,024 x 600).

Labels

- Dimensions:
  From W30 x L30 up to W101.6 x L500 mm.
- Maximum width of back paper: 110 mm.
- Option to use paper, polypropylene and perforated cardboard labels.

Communications

- 1 TCP/IP Ethernet.
- 2 RS-232.
- 2 front USB (3.0 + 2.0).
- Optional Wi-Fi.

Power supply

- 110-230 VAC 50/60 Hz.

Possible integration with other equipment

- Weighing platform (up to 16 loadcells).
- Dibal weight indicators.
- Another LP-5000.
- Printers with ZPL interface (up to 3 simultaneously).
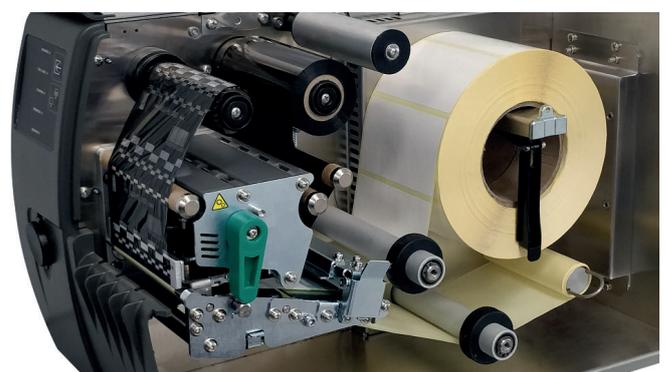
DIMENSIONS
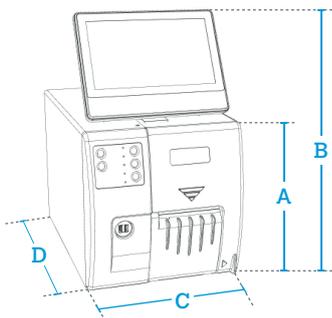
DATA IN mm

A	310
B	498
C	300
D	470
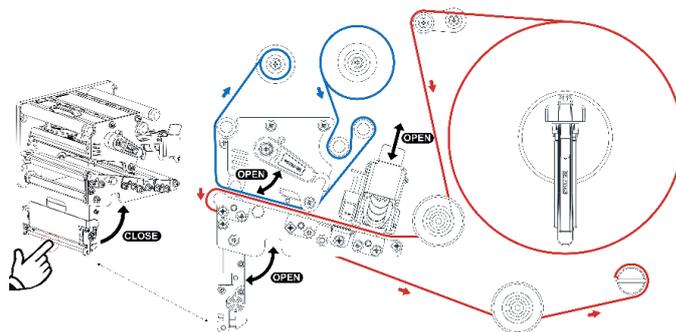
Labellling system detail.

Models

WITH WEIGHING

LP-5400 IV

- 4" printhead with direct thermal printing.
- Performance: up to 250 mm/s.

Ref.: **7L5Y1AUGI1_ _**

Ⓜ optional (UE)

LP-5400 IVT

- 4" printhead with thermal transfer or direct thermal printing.
- Performance: up to 250 mm/s.

Ref.: **7L5Y1BUGI1_ _**

Ⓜ optional (UE)

WITHOUT WEIGHING

LP-5400 I

- 4" printhead with direct thermal printing.
- Performance: up to 250 mm/s.

Ref.: **7L5Y1AUGI0_ _**

Ⓜ optional (UE)

LP-5400 IT

- 4" printhead with thermal transfer or direct thermal printing.
- Performance: up to 250 mm/s.

Ref.: **7L5Y1BUGI0_ _**

Ⓜ optional (UE)

Options

Option	Characteristics	Reference
Connection to 2nd platform	Up to 16 loadcells.	Consult
Articulated bracket for console	To fix the console to the printer.	Consult
RAM upgrade to 8 GB	Memory upgrade from 4 GB to 8 GB.	Consult
Wi-Fi	Wireless communications.	Consult
Metrological Verification (M)	According to EU weighing directives for LP-5000 IV/IVT labeller and platform assemblies.	Consult

Outstanding features for industrial environments

Work operation

- Label cancellation, no accumulation on labels, remove articles from the label, label repetition...
- Tare management/changes.
- Complete management of labels of totals.
- Temporary modification of work data: batch, dates, price per kg...
- Work screen: item selection, label format, work data.
- Pre-selection/change of number of labels to be printed.
- Selection of automatic/manual label printing.

Weighing

- Articles.
- Barcodes: 2 of 5, 3 of 9, Code128, DATABAR, expanded DATABAR, stacked DATABAR, omnidirectional DATABAR, DATAMATRIX, DATAMATRIX with AI, EAN-13, EAN-8, GS1-128, ITF-14, QR, UPC.
- Label counters: initial value, increment, decrement, mode, digits...
- Date formats.
- Label formats.