

# DIBAL

## LP-3000 Series Labellers



**3 or 4" Industrial Labellers  
with direct thermal or  
transfer printing**

# LP-3000 Series Industrial Labellers

## General features

### Labeller

**Construction:** stainless steel external structure, front in highly resistant ABS.

**Printer:** versions of 3 or 4". Direct thermal printing or thermal transfer printing (optional). Resolution: 203 dpi (8 dots/mm). Speed: up to 120 mm/seg.

**Memory:** data stored in standard compact flash; flash program memory that can be updated from PC.



### Control console (optional)

**Construction:** available in stainless steel or ABS.

**Display:** LCD graphic dot matrix backlight display. Drill down menus. Optional colour filters.

**Keyboard:** "qwerty" keyboard + 8 function keys (macros) + numeric keyboard + 30 x 2 presets.



## Connectivity and communications

- **PC connection:** RS-232/422, to program the labeller and to send/receive data (articles, ingredients, design of labels, logos...) and sales. Additional RS-232 port to telecharge (internal software updates) and to send printing commands from PC.
- **Ethernet communication:** 10BaseT, optional.
- **Wireless:** IEEE 802.11b or Bluetooth, optional.
- **Connection to platform indicator:** to receive weight. Available for all models.

- **Direct connection to weighing platform,** available for models with weighing board:

- Connection to a platform of up to 4 cells.
- 6.000 OIML divisions, up to 120.000 NON OIML, single-range or multi-step modes.



- Access to all the non-metrologic components of the labeller for support purposes, with no need to unseal the equipment.
- Key to select the origin of the reading: allows to commute between the platform that is directly connected to the labeller and a second one connected through an indicator.

- **Connection to additional LP-3000 labeller or to Dibal automatic weighing and labelling systems:** to print totals labels.

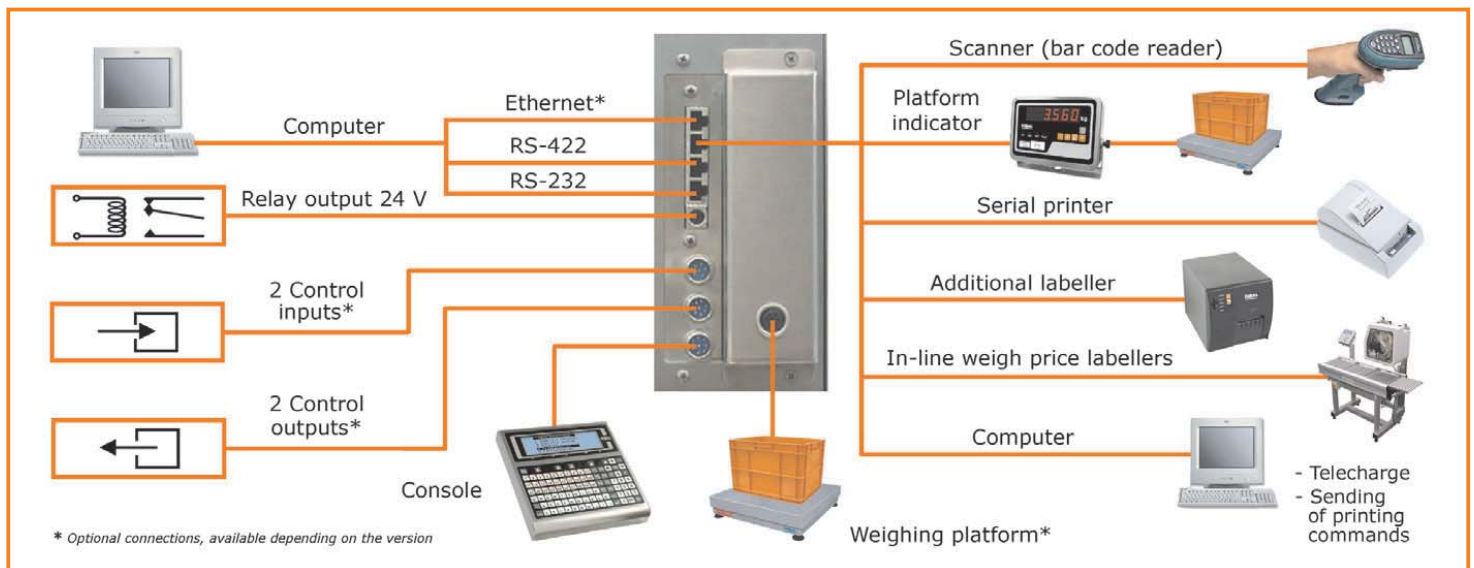
- **Connection to scanner (bar code reader):** automatic selection of the article which bar code matches with the EAN-13 being read by the scanner; creation and selection of traceability products by reading its EAN-128 bar code, etc.

- **Connection to serial printer:** to print summary of totals.

- **Relay output 24 V:** to send signals to external devices (task completed advice, error messages...).

- **Control Input/Output (I/O) (optional):** 2 inputs and 2 outputs to integrate the operations of the labeller with other systems.

- **Connection to control console:** to create and to manage articles, orders, customers... programming of the system options, labelling orders...





**VISSERIE EUROBLOCK**  
**VIS ACIER**  
 TÊTE HEXAGONALE  
**M6x16**  
 Référence: **423.586**  
 Unités: **100**  
 2 000100 000267



**Opa's BAUERNHOF**  
**KANINCHEN**  
 GEWICHT: **0.760 kg**  
 PREIS: **6.48 €/kg**  
**BETRAG: 4.92 €**  
 2 500004 004922

**Item**  
**GENTLEMAN WOOL JACKET**  
 Size **58** Colour **JET - BLACK**  
 Reference **R-2645/32** Batch **58/2/02**  
**BIRMINGHAM TEXTILES**  
 2 000004 099855

TI  
 INGRES  
 PINENT  
 DATE D  
 16.0  
 CON  
 PREPAR  
 Produi  
 LE

**North Meat Ltd.**  
**T-BONE STEAK**  

WEIGHT (kg)	PRICE (€/kg)	TOTAL €
0.920	11.50	10.58

 Reference number: 060107 34  
 Slaughtered in: SPAIN 10.1250/LU  
 Cottin in: SPAIN 10.1220/LU  
 Born in: FRANCE  
 Raised in: FRANCE  
 Age: 6 MONTH  
 Type of animal: CALF  
 2 500003 010580  
 (13)040226(37)00000613(3103)000920(10)06-7892



**MÜLLER GmbH**  
**SCHÄUFELE INDUSTRIEBEDA**  
 AM HANG 9  
 53175 BONN  
 TEL. : 0228-98761  
 F  
 GEWICHT KG:  
**18,325**  
**53 BONN**  
 (13)040226(37)


**Versions**

Label printer controlled from PC



**ENVELOPES**  
 500 DIN A-4  
 2 000006 000262  
 Ref 9875

Stand alone (printer with control console)



**MULTI-VENDING**  
 COFFEE 100% ARABICA  
 5 kg e  
 2 005000 000263  
 Batch:1278 BEST BEFORE 6.09.04

Control console in stainless steel or ABS.

## One label for each need

**Design of labels:** from console (by parameters) or by means of the visual interface provided in Dibal RMS program on Windows (optional).

**Formats:** 20 fixed label formats + 30 configurable formats. Up to 40 fields per format.

**Articles:** up to 8.000 different products, including:

- Main name and second name of article up to a maximum of 24 characters each.
- Type of article: weighed, fixed price, fixed weight, % of tare...
- Price.
- Tare associated to the product.
- Dates: current, best before and extra.
- Bar code and bar code format.
- 10 Lines of 24 characters for free texts.
- 1 Extra line of up to 1.000 characters (in 1.000 articles).
- Ingredients (up to 4.000, in a database editable by the user).

**Logos:** imported from PC.

**Bar codes:** EAN-8, EAN-13, EAN-128, ITF-14. Possibility of 2 bar codes in the same label.

**Labels of totals:** 3 levels (i.e.: box, pallet, truck).

**Customers database:** up to 1.000 customers. Printing of customer details on the label, association of orders to customers...

**Labelling of customers orders:** up to 100 orders of 100 articles each. Two operating modes: labelling of the same article requested in several orders or labelling of the different articles of an order until it is completed.

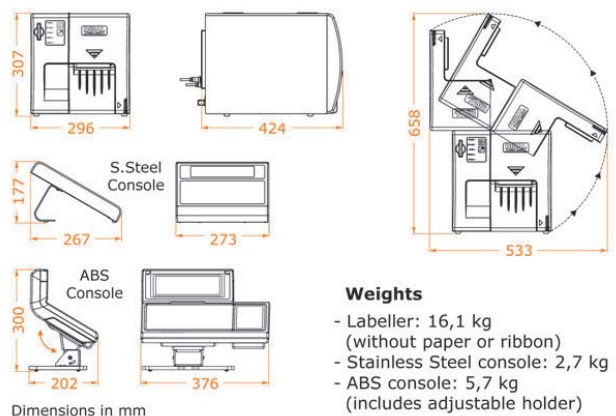
**Generic traceability:** customized traceability system for any kind of food (beef, fish, vegetables, cheese...) or non food products.

**Weight discrimination:** the label is printed only if the weight of the product corresponds to the defined range.

**Other features:**

- Printing of operator code and manufacturer code.
- Cancellation of labels, deducting them from the different levels of totals.
- Cancellation and/or reprint of last label issued.
- Printing of label batches.
- Printing of the label number, with programmable counter: initial number and increment or decrease interval.
- Manual printing (by key pressing), automatic (when stable weight is detected) or continuous (for "non weighed products": the number of labels requested is printed).

## Dimensions and Weights



## Labeller / platform indicator with control console



EISENWARENFABRIK AG  
ALTONAER HAUPTSTRASSE 7  
21075 HAMBURG  
TEL.: 040-7863545

SPEDITIONS-Nr.

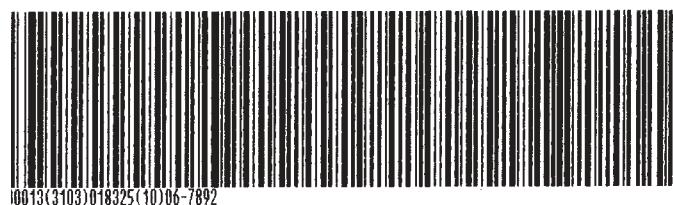
196104

PACKETE:

3 / 5

GMBH

REI HAUS

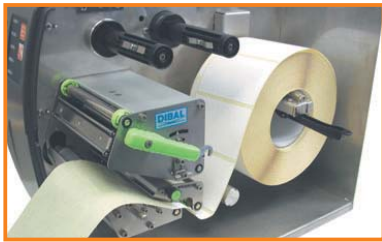


## Easy use and support

### Quick paper and ribbon replacement

The labeller is provided with a side and a front door, to have easy access to the printing mechanism.

Both the paper path and the ribbon one (in models with thermal transfer) have been designed to avoid the risk of paper jams and to facilitate the immediate replacement of the rolls.



### Easy cleaning

After very long operating periods, the user will need just to clean the thermal print head, the printing roller and the labels outlet detector. The three devices are easily accessible with no need to dismount them or to use any tool.

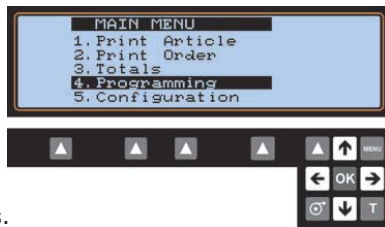
With regards to the external surface of the equipment (stainless steel and ABS), it can be easily cleaned, which is specially important in some industrial environments.



### Intuitive use

The optional console (available in stainless steel or ABS) facilitates the use of the labeller –with no need of a PC- and becomes it in a stand-alone system.

The different functions are controlled by means of menus, navigation keys and submenus access keys.



It counts also with presets for the immediate labelling of the 60 most used products.

**"Article Label Printing" Screen**

Labels are printed with the following information:

- Main name of article: 000001] F01 Manual
- Code: PARMER HAM
- Label format: EXTRA QUALITY
- Printing mode: Manual
- Price: 60.00 €/kg
- Preset: 10
- 2<sup>nd</sup> name of article: 0.000 kg
- Weight: 0.000 T kg
- Tare: 20/05/04
- Temporary modification options: SELEC, PRICE, TARE, BEST BEFORE
- Nr. of printed labels: 10
- Best before date: 20/05/04

Metrologic symbols: NET, MIN

To define preset:

- Number of labels
- Total weight
- Total amount

### "Macros" system



The user can easily store in memory repetitive tasks in 8 function keys ("macros"). From that moment on, only one key press will execute complex operations, with no need to navigate across the different menu levels. Moreover, to facilitate the creation of new macros similar to the already existing ones, they can be copied and/or edited.

### Dibal RMS Software

Optional Dibal RMS Windows software is the perfect complement for LP-3000 Series: it allows to program the labeller, to obtain operations listings, to import logos, to enter and modify prices, articles, ingredients... and it also incorporates a module with visual interface for the design of labels.



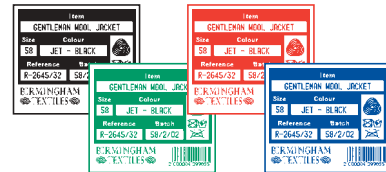
Communications between the program and the labeller can be local or remote (via modem).

## Maximum printing flexibility

### Printing on any kind of materials

In addition to the thermal paper printing, the "transfer" technology (available as an option in all models) will allow you to print on other kind of surfaces: normal paper, cardboard, plastics...

The ribbon is available in different colours other than black (blue, green, red,...). This allows you to create more attractive labels to the consumer.



### No limit of shapes and sizes

The print head incorporates an adjustable sensor to detect the beginning of each label, to make possible the printing of all types of different shaped labels.



On the other hand, the LP-3000 Series labeller prints both horizontally and vertically, providing you with a wide range of label sizes:

**3" Labellers: from 30 x 30 up to 76 x 300 mm.**  
**4" Labellers: from 30 x 30 up to 102 x 300 mm.**



# LP-3000 Series Industrial Labellers

## Models

### Label printers controlled from PC

#### Without console:

Model	Printer	Transfer
LP-3300 E	3"	NO
LP-3300 ET	3"	YES
LP-3400 E	4"	NO
LP-3400 ET	4"	YES



### Stand alone labellers with control console

#### With stainless steel console:

Model	Printer	Transfer
LP-3300 I	3"	NO
LP-3300 IT	3"	YES
LP-3400 I	4"	NO
LP-3400 IT	4"	YES

#### With ABS console:

Model	Printer	Transfer
LP-3300 A	3"	NO
LP-3300 AT	3"	YES
LP-3400 A	4"	NO
LP-3400 AT	4"	YES

### Labeller/platform indicator with weighing board and console

#### With stainless steel console:

Model	Printer	Transfer
LP-3300 IV	3"	NO
LP-3300 IVT	3"	YES
LP-3400 IV	4"	NO
LP-3400 IVT	4"	YES

#### With ABS console:

Model	Printer	Transfer
LP-3300 AV	3"	NO
LP-3300 AVT	3"	YES
LP-3400 AV	4"	NO
LP-3400 AVT	4"	YES

## Options and Accessories

### Options and accessories for all models:

- Consumables: rolls of thermal or normal paper, ribbon in black or other colors,...
- Colour filters for console display.
- Dibal RMS Windows software.
- Control Input/Output (I/O).
- Ethernet communications.
- Bluetooth\* wireless communications.
- Ethernet + IEEE 802.11b wireless communications.
- Handheld scanner (bar code reader).
- External rewinder\*
- External unwinder\*
- Cutter\* for continuous adhesive paper.

### Accessories for E and ET models:

- Stainless steel control console.
- ABS control console.

\* For availability, consult us.

## Application fields



Specifications subjected to change without prior notice.



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