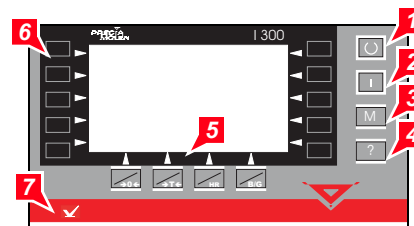# PRECIA MOLEN ™

Design

Box

- ABS table mounted box
- Adjustable wall or column attachment kit, with necessary building-in kit
- Power supply by mains adaptor integrated into the box

Sealed keyboard (tactile keys)

1. Off.
2. On.
3. Display metrological data
4. On-line help
5. Elementary weighing functions (Tare, zero, High Resolution, return to Gross)
6. 10 multi-function keys with legend on display
7. Function bar defined by configuration (see the most typical function) and data validation

General presentation

The I 300 indicator is a weighing terminal with advanced functions dedicated to management of weighing vehicles on a weighbridge.

Its multi-function graphic screen and its configurable software enable you to customize your weighing station as a function of your application:

- Management of weighings in single weighing (one pass). With input of the tare or reminder about a memorized tare
- Management of weighings in in/out weighing (two passes)
- Dosing : loading or unloading of vehicles in Gross weight or in Net weight.
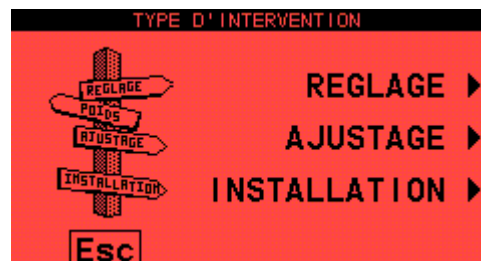- Management of lights for traffic regulation on weighbridge (digital I/O module as option).

The I 300 terminal can manage up to two weighbridges (second measurement board optional). It also enables multi-channel management of weighbridges composed of two independent platforms.

It has an optional data saving system so that all weighings made can be recorded, thus avoiding the need to add a check printer (alibi printer).

A complete range of interfaces, peripherals and accessories optimizes integration into your existing installation.

The I 300 terminal may be provided with a PC type keyboard and a bar code reader so that data can be input more quickly.

Metrological approval

- Test certificate issued by a notified body in accordance with the Directive 90/384/EEC relating to non automatic weighing instruments.

European directives

- Directive 89/336/CEE relating to *ElectroMagnetic Compatibility*
- Directive 73/23/CEE relating to *Low Voltage Equipment*

Backlit graphic screen

- Metrological information on the current weighing
- Free text zone 34 characters.

Inputs / Outputs

The I 300 indicator is originally equipped with an RS 232 connection that you can optionally replace and / or complement by another connection type among the available adaptations :

- Measurement (double channel indicator)
- RS 232 serial connection
- RS 422 / 485 serial connection
- 2 digital inputs / 4 outputs
- 4 - 20 mA analogue output

Physical characteristics

▣ Dimensions
- Width .... 218 mm
- Height .... 212.1 mm
- Depth .... 95.1 mm

▣ Overall dimensions on table mounting :
- Width .... 218 mm
- Height .... 157 mm
- Depth .... 205 mm

Electrical characteristics

▣ Power supply by integral mains adaptor :
- Mains voltage .... 190 - 250 V
- Frequency .... 50 - 60 Hz
- Consumption .... 15 VA max.

▣ or 24 V DC.

Metrological characteristics

	ML	HML
▣ Precision class (Trade use only)	III et IV	-
▣ Input increment	0.5 µV	0.1 µV
▣ Maximu number of increments		
▣ single range	6 000	30 000
▣ dual range	2 x 6 000	-
▣ Power supply voltage	5 V dc	
▣ Load impedance		
▣ Minimum	48 Ω	
▣ Maximum	1 000 Ω	
▣ Maximum load cell cable length	150 m	
▣ Error distributor pi factor	0.5	-

Multi-channel management:
- 3 logical channels: A, B, A+B.
- 2 physical channels A and B.

This operating mode requiers a second measurer accessory module.

Environmental characteristics

▣ Temperature range
- Operation .... - 10 °C / + 40 °C
- Storage .... - 20 °C / + 60 °C

▣ Sealing and protection............................... IP 54

Files characteristics

	Capacity	Code	Label
File 1	600	4c. num char.	20 alphanumeric characters
File 2	600	4c. num char.	20 alphanumeric characters
File 3	500	4c. num char.	20 alphanumeric characters
File 4	500	4c. num char.	20 alphanumeric characters
File 5	300	4c. num char.	20 alphanumeric characters
Vehicle	200	4c. num char.	-
Loading set value	100	4c. num char.	-
Transit	100	-	-
Summary	3000	-	-

- 4 informations lines availables by weighing.
- Date to date cross totalizations on any 2 files chosen from among the five available files, with or without filter.
- Files export and safeguard on PC with the help of software PRECIA/MOLEN supplied as an extra.

Data storage device (DSD) :

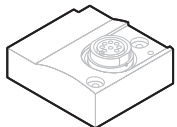▣ Maximum number of records....................... 12 000 or 48 000 depending on option.

Values saved : DSD number, gross weight, tare, net, predetermined tare, printed weight type, weight type transmitted by protocol, unit, identification number.

Standard delivery contents

▣ Indicator with integrated mains power supply adaptor, measurement accessory, RS 232 serial connection accessory

▣ Operations documentation.

▣ Din/Mini Din adaptor for PC keyboard.
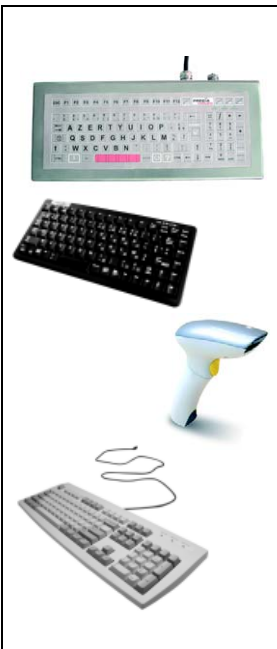
▣ 3 m measurement cable.

▣ Interface accessories

▣ Keyboard (Azerty/Qwerty) and readers

▣ Printers

▣ Repeaters

Tickets

Built in printer

ABC 57

Listing

Thermal tickets

ABC 100

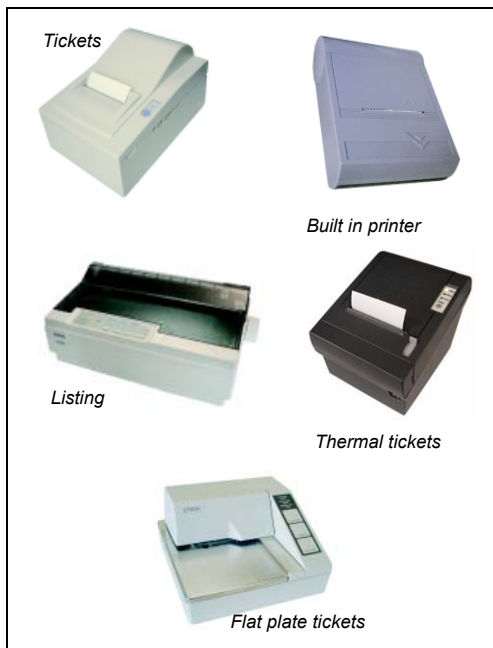*Flat plate tickets*

D200

- Measurement board
- RS 232 connection
- RS 485 connection
- Digital inputs / outputs
- Analogue output

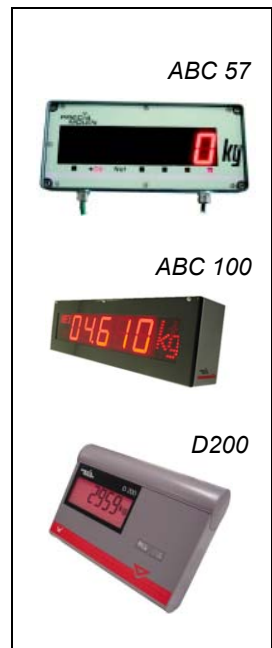- Data Storage device. (DSD : 12 000 or 48 000 records).

///

Your weighing specialist

▽
PRECIA MOLEN™