



## Composition

### Housing

- Two-piece housing constructed in composite material (ABS).
- Standard supply includes with mounting parts for swivel wall, column or table top installation.
- Powered by power supply unit integrated in the housing, or rechargeable battery (optional).
- Interface modules accessible without dismounting

### Keyboard with 21 tip-touch keys



1. Off.
2. On.
3. Other functions set by configuration.
4. Taring, zeroing or combined taring/zeroing set by configuration.
5. Print key.
6. Numeric keyboard with decimal point and Clear-Entry key.
7. Multi-function keys to select the function and control the weighings.
8. Function bar defined by configuration (most currently used function called "Genius key").

Operation of the I 200 M is via 3 multi-functional operating keys and a display screen. The display can visualise the results of the current weighing operation and also the totalised results of the previous weighing or series of weighings.

### Back-lit red LED display screen

- Metrological data of the current weighing operation.
- Calculated data of the current weighing operation.
- Totalised data of the previous weighings of the series.

### Interfaces

The I 200 M has an RS 232 interface as standard, this interface may be replaced or complemented by one of interface options listed below:

- Second weight input for dual scale operation,
- RS 232,
- RS 422 / 485,
- parallel I/O: 2 inputs / 4 outputs,
- analogue weight output 4-20 mA.

## General

The I 200 M is the simple weighing terminal of PRECIA-MOLEN's new I 200 range of indicators. It is configurable and is easily adapted to fulfil your weighing needs.

Compared to other basic weight indicators the I 200 M offers additional functionality such as:

- simple weighing: receipt, shipment, transport, etc.,
- parts counting for stock taking etc.,
- formula weighing: in mixing processes, in production lines, to determine weight increase or decrease, etc.,
- tolerance checks: in sorting processes and for checking on over or underweight,
- weighing of live animals,
- density calculation, conversion to other units of measurement, etc..

Memory store for a maximum of 10 pre-set tare values.

Option: the I 200 M may be equipped with a DSD Data Storage Device recording the key data of all weighings performed. This eliminates the need to connect a monitoring printer to the scale.

A wide range of interfaces, peripheral equipment and accessories allows optimum integration of this indicator into an existing installation.

## Metrological approval

- Test certificate LNE 01-03.
- Mentioned in EC type approval certificate X201-A, nr F-01-A-005

## European directives

- Directive 90/384/EC relating to *Non-automatic Weighing Instruments*
- Directive 89/336/EC relating to the *Electro-magnetical Compatibility*
- Directive 73/23/EC relating to *Low Voltage Equipment*

**Physical characteristics**

- ▣ Dimensions
  - Width..... 218 mm
  - Height..... 152.1 mm
  - Depth..... 65.1 mm
- ▣ Dimensions for wall or table top installation (using standard mounting parts):
  - Width..... 218 mm
  - Height..... 181.2 mm
- ▣ Depth..... 110.4 mm

**Electrical data**

- ▣ Integral power supply unit:
  - Mains voltage..... 190 - 250 V
  - Frequency..... 48 - 51 Hz
  - Power consumption..... 15 VA max.
- ▣ Integral battery (option):
  - Operational duration w/out back-lit display..... 20 h
  - Operational duration with back-lit display..... 10 h
  - Charging time..... 8 h

**Metrological data**

	<b>TRADE</b>	<b>NonTrade</b>
▣ Accuracy class (for Trade use only)	III	-
▣ Sensitivity per division	0.5 µV	0.1 µV
▣ Maximum number of divisions		
▣ single range	6 000	30 000
▣ dual range	2 x 3 000	-
▣ Load cell excitation	5 V dc	
▣ Load cell impedance		
▣ minimum	48 Ω	
▣ maximum	1 000 Ω	
▣ Maximum length of load cell signal cable	150 m	
▣ Error spreading factor (pi)	0.5	-

**Environmental conditions**

- ▣ Temperature range
  - Operation..... - 10 °C / + 40 °C
  - Storage..... - 20 °C / + 60 °C
- ▣ Industrial Protection rating..... IP 54

**File data**

- Data Storage Device (DSD):
- ▣ Maximum number of weighings..... 48,000\*

Each record contains: DSD number, gross, tare, net weight, pre-set tare, type of weight printed out and transmitted per protocol, weight unit and weighing serial number.

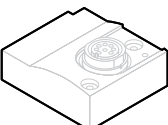
**Standard extent of supply**

- ▣ Indicator with integral power supply unit and RS 232 interface.
- ▣ Swivel bracket for wall or table top installation.
- ▣ User manual.
- ▣ Set of sealing parts and metrological logbook (*depending on the country of destination*).

\* Optional: 12,000 or 48,000 records.

**Options & Accessories**


▣ Interfaces



- Second weight input
- RS 232
- RS 485
- Parallel I/O
- Analogue weight output

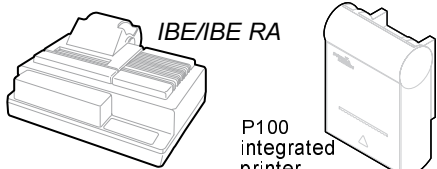
▣ Mounting parts

- Column (H = 525 mm)



- Panel mounting kit

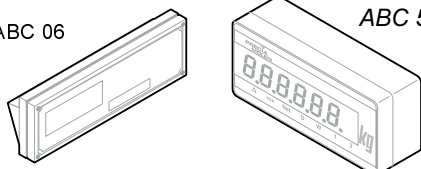
▣ Printers



IBE/IBE RA

P100 integrated printer

▣ Slave displays



ABC 06

ABC 57

▣ Functional accessories

- Rechargeable battery
- Date/time
- Date/time with Data Storage Device (DSD)

▣ Other accessories

- Battery cable
- Connection cable for peripheral equipment (3, 6, 12, 24 and 36 m)

**Your weighing specialist**

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