

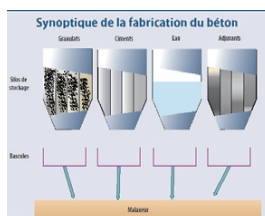
The Masters of Industrial Weighing

Industrial software Weighing Indicator

IDe 200



MULTI-PRODUCT DOSING SOFTWARE



The IDe 200 weight indicator with multi product software is designed to manage several products and recipes in dosing application and can easily substitute a PLC.

- > Compatible with all strain gauge weighing load cells on the market and Master K digital load cells.
- > Excellent precision and stability of measurement.
 - > IDE 200 is CE approved for 6000 scale divisions.
 - > Sensitivity 0,75 μ V, 7,5Volts Square Wave Signal load cell supply power
 - > Several algorithms filtering available
- > Simple and intuitive operator face.
 - > Keypad 20 touches:
 - 10 numerical keys,
 - 10 function keys.
 - > Weight and data display, 6 digits, h=14mm.
- > Standard peripheral device management:
 - > COM 1: serial output RS 232 or RS 485 (selectable for PLC or PC link).
 - > COM2: 1 passive current loop output for RP75 remote display
 - > 1 LPT output for parallel printer.
- > Options :
 - > 4 I / 4 Outputs electronic board
 - > 8 I / 24 Outputs electronic board (highly recommended)
 - > Memory extension module (100 000 weighing records)

Operating

The IDe 200 multi-product software has 3 main files :

- > A file of 100 products labelled by PC
- > A file of 64 formulas
- > Each formula can manage maximum 15 products
- > A file of 8 pumps
- > Value of the impulsion in gram
- > Batching of each product with 2 speeds and with automatic in flight material compensation

Dosing cycle

The **STARTING CYCLE** can be released by the front panel or by an external contact or throughout MODBUS / JBUS link.

- > The following information should be filled before to start the cycle:
 - > Formula code: 2 digits
 - > Identification: Batch N°
 - > Either a cycle number or a quantity to perform according the parameter
- > The dosing is carried out with 1 or 2 speed, with flow and tolerance control on each product.
- > The system manages automatically the feed error and in the same way provides a complement in the event of negative tolerance.

Display during dosing

The operator guide provides very useful information about the cycle in process, such as HS (High speed) and LS (Low speed) set values, number of requested cycle, number of remaining cycles.

- > On request it also provides: average / standard deviation / deviation from dose N-1.

Weighing diary, DSD

The diary can contain 9000 weighing and 100 000 weighing with the 2MB extension memory option.

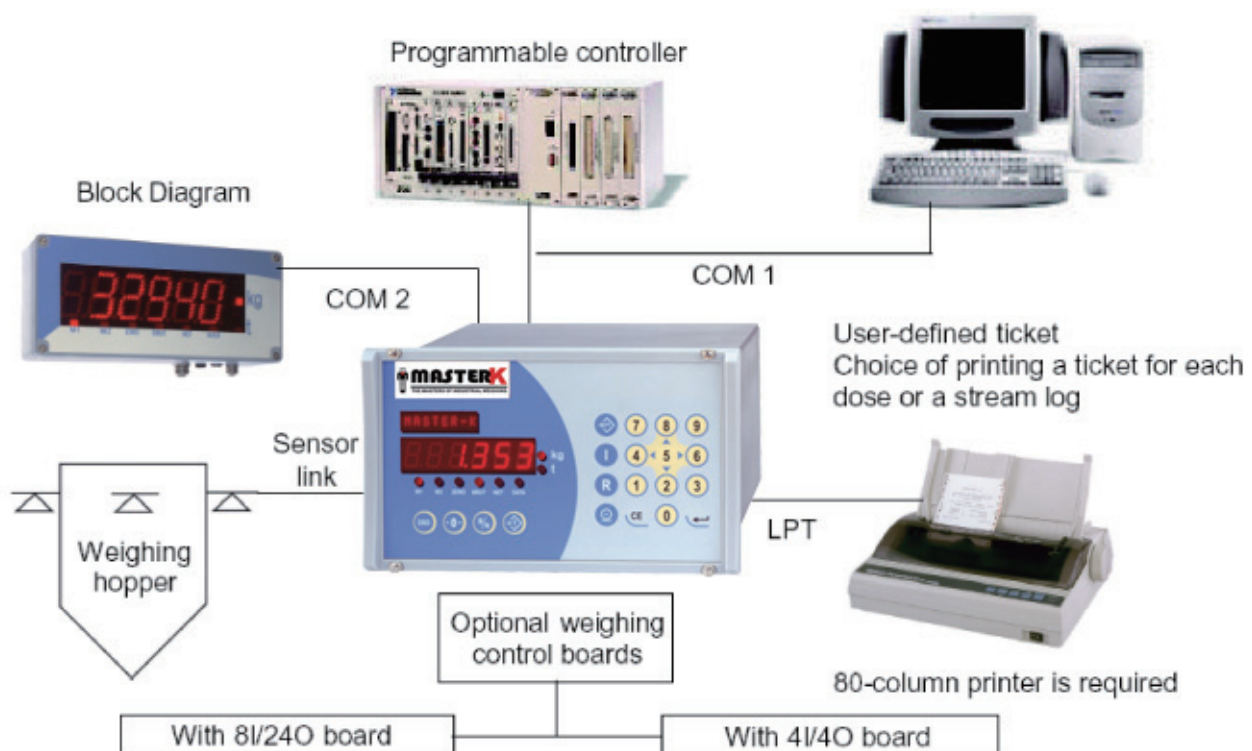
- > The dosing results which could be printed are:
 - > 1 ticket of each mixture
 - > Daily and Monthly totals by produced formula
 - > Daily and Monthly totals by consumed product
 - > State of the products stocks

The weighing log can transmitted either by RS 232 link to a computer.

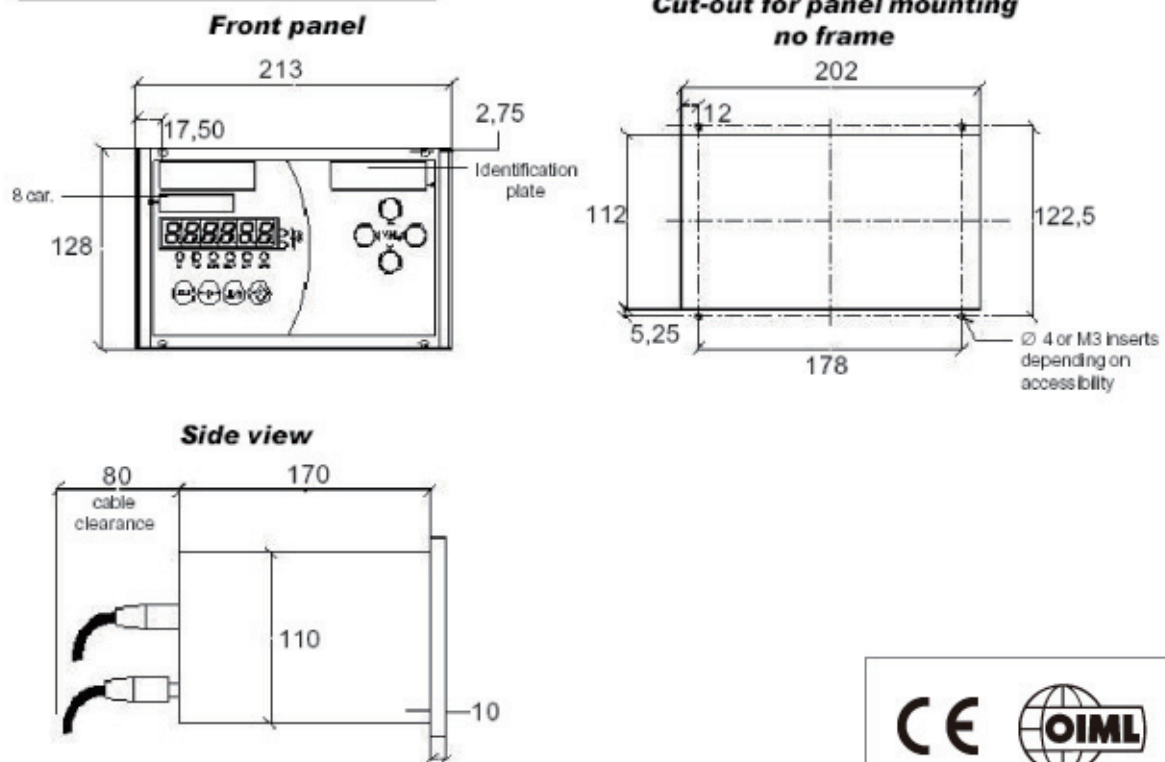
With Windows HyperTerminal, the weighing diary can be edited or processed directly in an Excel worksheet.

A COMPLETE AND INNOVATING RANGE OF WEIGHING EQUIPMENT...

SYNOPSIS



Dimensions (in mm)



FEATURES

CHARACTERISTICS

| | |
|---|--|
| Power supply Standard (please indicate it in the purchase order) Option Power consumption EMC performance Standard load cell power supply Min. load impedance MasterK smart load cell power supply | Mains 110 or 230 VAC -10 +15%, 50-60HZ 12 VDC 24 VDC 20 VA according to standard EN 45 501 7.5 V AC square signal 45 ohms or 8x350 ohms load cells in parallel 12 V = |
| Operating temperature Storage temperature Timer drift | -10/+40°C -20/+60°C ± 1 min per month |
| data retention in RAM memory | 3 years by lithium battery |
| Traceability file capacity Optional 2 MB memory extension module | 9 000 weighing with date/time/ weighing No./gross/tare/net 100 000 weighing |
| | |

METROLOGICAL CHARACTERISTICS according to Standard EN 45 501

| | |
|---|---|
| Max. weighing accuracy Internal resolution Min. approved scale division voltage value | 6 000 scale divisions 60 000 divisions 0.75µV |
| Measurement rate | 10 to 180 measurements per second |

EXCLUDING LEGAL METROLOGY

| | |
|---|--|
| Max. weighing accuracy Internal resolution | 10 000 scales divisions 100 000 divisions |
|---|--|