

# The Masters of Industrial Weighing



## Analog Weight Indicator **HARMONY 300** Multi-product Batching



The indicator "HARMONY 300", equipped with the software « Multi-product batching » and a 4-input/6-output card. It is intended for weight control applications specializes in mixture of several product.

- > CE Certified - 5000 scale division, class III
- > Supply voltage: 12VDC with 6 load cells of 350 ohms or 12 load cells of 650 ohms
- > Sensitivity: 1µV under 5 volts AC
- > Number of measurements per second: 40 to 90
- > Power supply: 12 volts DC by separated adaptor

### Software Description :

Reference zone n°2: 2 digits (basic products codes)  
Product File: 99 products records max  
Call numbers: 2 digits (reference 1)  
Product Name: 15 characters

Reference zone n°1: 2 digits (formulas codes)  
Formula File: 20 formulas of 1 to 9 products max  
Call numbers: 2 digits (reference 1)  
Formula name: 15 characters  
Product code of the 1st product dosed (2 digits)  
Set value of dosage for 1st product (6 digits)  
Set value of the feed error for 1st product (6 digits)  
Tolerance of 1st product (xx, x% of set value)

Order code of 1st product (xy 2 digits)  
.....  
Product code of 9th product  
Set value of 9th product  
Feed error of 9th product  
Tolerance of 9th product  
Order code of 9th product

- Dosing at 1 speed for 1 to 4 products automatically or for 1 to 6 products automatically (Decode output)
- Tolerance control
- Flow debit Control at the time of dosing and tapping off
- Automatic correction of error feed
- Intermediate discharge into inner of formula
- Dosing choice automatic / manual for each product
- Automatic pause into inner of formula (exe: for analyses)
- Totalizing by reference 1, reference 2 and make a cross count of reference 1 and reference 2
- Programmable cycle start time by hour

### Interface description:

- An interface (M1) for the connection of the analog load cells
- An interface (COM 1) RS232 port for the connection of the serial printer or computer (with the software "hyper-terminal")
- An interface (COM 2) RS485 port for the connection of the remote display
- An interface (LPT) for connecting a printer
- An interface (4I/6O) → 2 types cards available  
1 card 12/24v DC (inputs and outputs)  
Or  
1 card 48 to 250v AC (outputs) et 12/24v DC (inputs)

- |                               |                                    |                             |
|-------------------------------|------------------------------------|-----------------------------|
| E1 → Start / Resume the cycle | S1 → Dosing product 1 or product 4 | S6 → Fault tolerance/ debit |
| E2 → Pause / Cancel the cycle | S2 → Dosing P2 or P5               | Fault tolerance             |
| E3 → Dosing authorization     | S3 → Dosing P3 or P6               | Fault debit                 |
| E4 → Emptying authorization   | S4 → Dosing P4 or decode P4/P5/P6  | Emptying                    |
|                               | S5 → Emptying                      |                             |
- } Choice with setting

### Example of application :

