

The Masters of Industrial Weighing



Analog Weight Indicator **HARMONY 300** Thresholds Comparator



The indicator "HARMONY 300", equipped with the software «Thresholds Comparator » and a 4-input/6-output card. It is intended for weight control application (for example: pre-packaging) or level control (tanks)

- > 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
- > Data Storage Device (DSD) Capacity: 14 000 weighing records
- > Power supply: 12 volts DC by separated adaptor

Software description:

- 2 simple data of 6 digits with editable title of 15 characters
- 4 lines for company name and 2 lines for the end of ticket with editable content
- Standard weighing ticket on 40 rows or customizable weighing ticket
- Totalizing of the net weights by the simple data
- Special buttons to make the modification of the threshold values easier

Interface description:

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

E/S description : mode comparator « CHECK WEIGHING » :

- | | |
|--------------------------------|---|
| E1 → Print query | S1 → Output weight |
| E2 → Zero query | S2 → Output weight ok |
| E3 → Delete tare query | S3 → Output weight + |
| E4 → Semi-automatic Tare query | S4 → Output weight stable |
| | S5 → Output information S1/S2/S3/S4 valid |
| | S6 → Output function E1/E2/E3/E4 executed |

E/S description : threshold mode or peak load :

- | | |
|--------------------------------|---|
| E1 → Print query | S1 → Output threshold n°1 reached |
| E2 → Zero query | S2 → Output threshold n°2 reached |
| E3 → Delete tare query | S3 → Output threshold n°3 reached |
| E4 → Semi-automatic Tare query | S4 → Output weight immobile (1); Output peak load reached (2) |
| | S5 → Not used (1); In process of Cycle peak load (2) |
| | S6 → output function E1/E2/E3/E4 executed |

(1) = Operating in "Threshold mode"
 (2) = Operating in "Peak load mode"

Note: the outputs of thresholds S1/S2/S3 can be operated under gross weight or net weight mode