# BELT: CONTINUOUS DOSAGE ON BELT

Dini Argeo offers solutions for conveyor belts, for the real-time weighing and dosage of the material in transit.
The system is made up of one or more weighing bars / load cells, connected to the main weight indicator, which can read and adjust the hourly flow rate of the material flow and automatically stop the dosage once the programmed set point is reached. Thanks to the Modbus RTU and Profibus DP protocol, it is possible to interface the system with a PLC, or via Ethernet interface, connect it to the information company network.
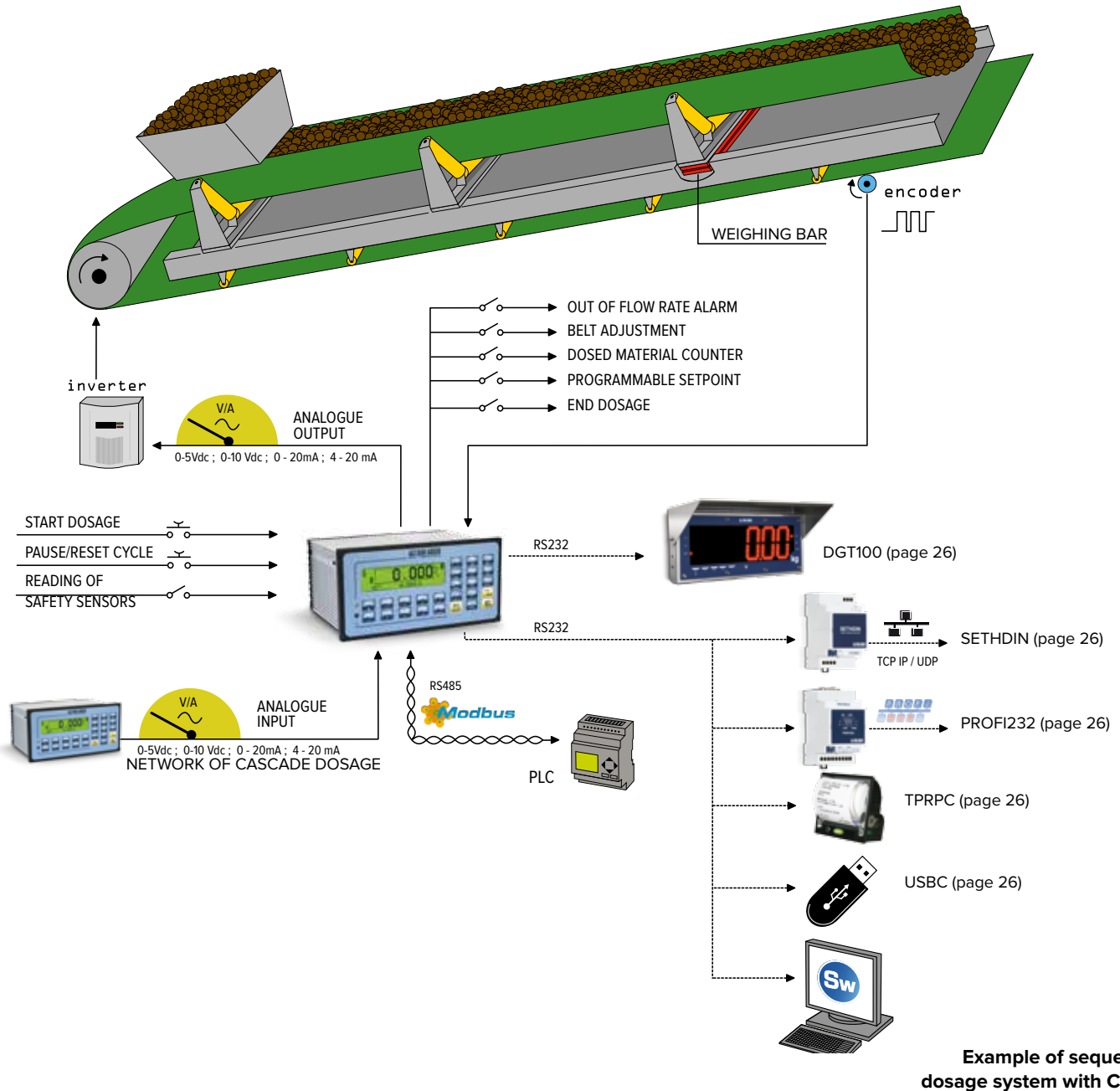
Example of sequential dosage system with CPWE

FUNCTIONS
OF THE STANDARD PROGRAM

- 2 selectable operation modes:
  - Instantaneous reading of the flow, in kg/h or t/h with displaying of the status of the system and of the dosed total.
  - Adjustment of the dosage hourly flow, in function of the pre-set target, with PID algorithm.
- Display of the hourly flow graph and wide range of data displayed on the display.
- Calibration of the flow reading function, for controlling the dosage performances.

- Reading filter of the hourly flow with configurable incidence and speed depending on the system.
- Programmable dosage target upon weight or upon time, with relative contact.
- Programmable start dosage delay, for synchronisation of various E-BELT systems in the dosage of material mixtures.
- Management of the slow flow with programmable activation threshold, for more precise dosages.

- Management of the dosage total under way and general total of dosages, printable and clearable independently from each other.
- Management of the automatic dosage from remote master or through Profibus DP or Modbus RTU protocol.
- Printing of the dosage data and the total.
- Completely programmable printouts, for compatibility with any ASCII printer manageable through the serial port.