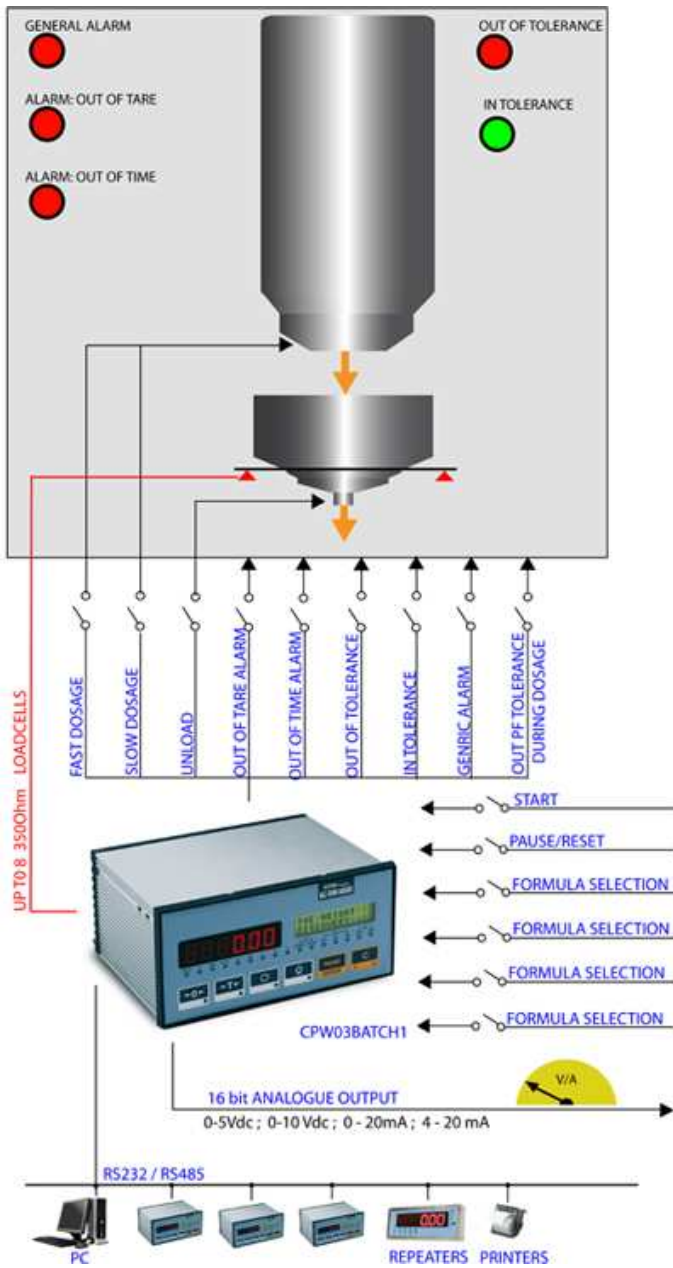


"CPW03BATCH 1": CPW FOR SINGLE COMPONENT DOSAGE SYSTEMS

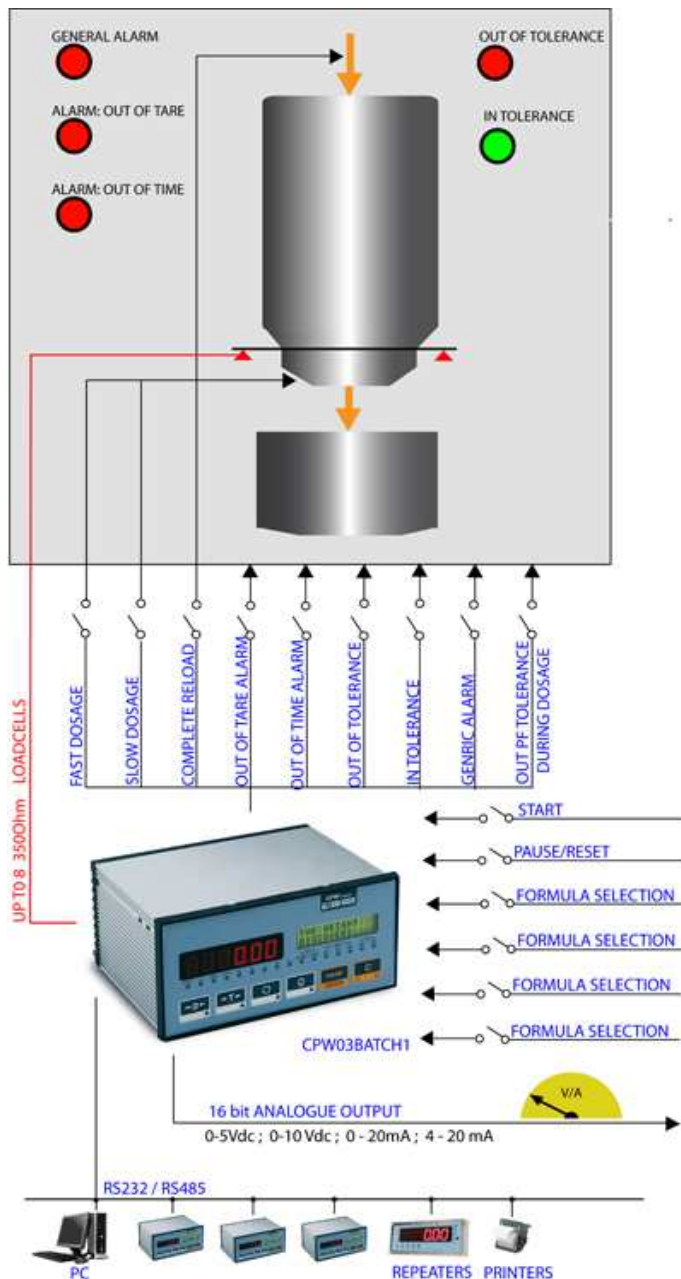


CPW03BATCH1: example of dosage in loading

Software version for single component automatic dosage, both in loading and unloading; possibility of programming up to 200 recipes, each containing a description of 16 characters, a target, flight weight, and tolerance. Possibility of infinite repetition of the dosage cycle and storage of consumptions. Completely programmable printouts.

MAIN FEATURES

- **Basic scale functions** (clearing, tare, and weight printing);
- **Selectable dosage mode**, which can be automatic, manually guided or automatic in unloading;
- **Automatic management of the reloading of the silo** through a dedicated contact, with programmable filling start and end thresholds (for automatic dosage in unloading);
- **Database of 200 formulas**, with target, speed change threshold, flight, +/- tolerance and programmable minimum and maximum tare values for each formula;
- **Quick change of the dosage target**, using dedicated key;
- **Dual dosage speed (approximate and fine)**, managed through output active in constant mode or with bleeding function, with programmable ON/OFF time;
- **Dosage start / pause from keyboard or by enabling the inputs;**
- **Automatic printing of the dosage data;**
- **Storage and printing of the consumptions:** consumption of each recipe, recipe consumption, dosed general total. Printouts recallable quickly from keyboard;
- **Automatic correction of the weight in flight**, with programmable incidence degree;
- **Programmable number of repetitions of the dosage cycle** or infinite repetition of the dosage cycle;
- **Check of the tare presence at dosage start;** the tare values are programmable for each recipe;
- **Tolerance test on the dosed weight**, with guided correction through simple messages on the display;
- **Analogue output** (optional), proportional to the weight or to the dosage speed;
- **Control of the maximum dosage time and alarm management.**
- **Completely programmable printouts**, for compatibility with any ASCII printer manageable through the serial port; printing of the dosage data, the recipe, consumption and totals' data.



DESCRIPTION OF THE DOSAGE IN LOADING

- Supply a start command;
- It is verified whether on the scale there is the eventual prefixed tare and whether the weight is stable;
- The instrument executes the automatic tare;
- One enables the quick dosage output and the product one: the dosage starts at the maximum speed;
- When the weight reaches the TARGET TO BE DOSED - SLOW DOSAGE WEIGHT - MATERIAL WEIGHT IN FLIGHT (if automatic dosage) threshold, the approximate dosage relay is disabled, and the fine mode is enabled;
- Upon reaching the TARGET TO DOSE - MATERIAL WEIGHT IN FLIGHT (if automatic dosage) threshold, the fine dosage relay is disabled; the instrument waits, in the configured time, for the fall of the material in flight, executes the tolerance check and stores the data of the executed dosage; then the data of the executed dosage is transmitted through the serial line, for the printing or the storage on the PC/PLC;
- The instrument automatically passes to the complete discharge phase of the scale, enabling the dedicated relay;
- When the weight descends below the discharge end threshold, the discharge relay is disabled, the dosage result is printed, and the instrument waits for a new start command, or if a cycle of dosage repetitions has been set, it automatically starts the following dosage.

CPW03BATCH1: example of dosage in unloading

DESCRIPTION OF THE DOSAGE IN UNLOADING

- Supply a start command;
- It is verified whether on the scale there is enough material to execute the dosage and whether the weight is stable;
- The instrument executes the automatic tare;
- The fast dosage output and the product one are enabled: the dosage starts at the maximum speed;
- When the unloaded weight reaches the TARGET TO DOSE - SLOW DOSAGE WEIGHT - MATERIAL IN WEIGHT threshold (if automatic dosage), the approximate dosage relay is disabled, and one proceeds in the fine mode;
- Upon reaching the TARGET TO DOSE - MATERIAL WEIGHT IN FLIGHT threshold (if automatic dosage), the fine dosage relay is disabled; the instrument waits, in the configured time period, for the fall of the material in flight, executes the tolerance check, and stores the data of the executed dosage; the data of the executed dosage is transmitted through the serial line, and is useful for the printing or the storage on PC/PLC;
- The instrument waits for a new start command, or, in the case that a cycle of dosage repetitions has been set, it automatically starts the following dosage.
- NOTE: at every dosage start or at the end of each dosage, the instrument verifies whether the material on the scale is sufficient for executing a new dosage cycle, otherwise the reloading relay is enabled; the reloading ends upon reaching the programmable threshold of charge end.

TO VIEW ALL THE TECHNICAL FEATURES, SEE THE [CPW](#) PRODUCT DATA SHEET