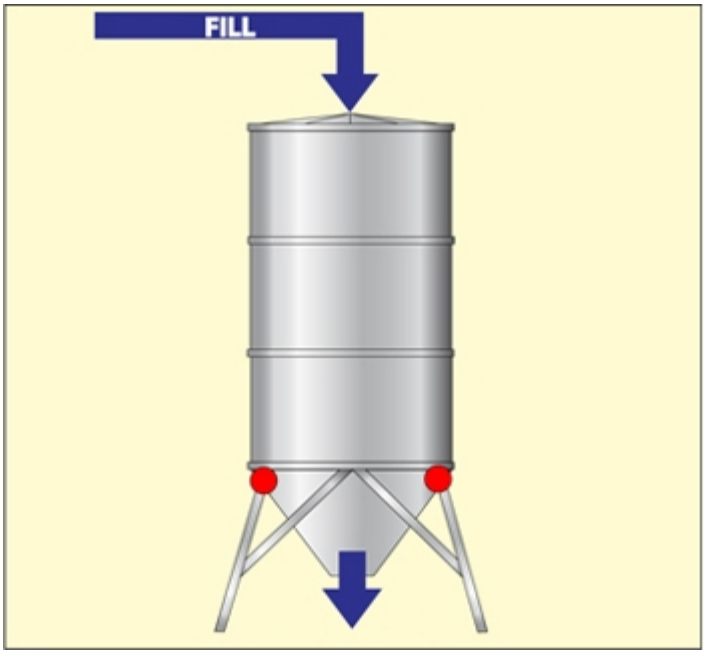
DINI ARGEO
Scales - Weighing systems

DGT-BATCH1U

SINGLE PRODUCT DOSAGE IN UNLOADING FUNCTIONING



Configuration which allows to manage a dosage system in unloading of a single product, useful for dividing the quantity of materials of equal weight or extract precise quantities from the silo, with management of the reloading.

Working in cooperation with:

SC DATA SPEED SRL

STR DONATH N. 115/33 - 400331 - JUD. CLUJ
Tel. 0040-264566473 Fax. 0040-364-815440
office@cantare.com.ro

The best solution
for advanced industrial
applications

DATABASES

- Database of 40 formulas with target, speed change threshold, flight, +/- tolerance.

KEYBOARD FUNCTIONS

- START / RESTART dosage, PAUSE / RESET cycle and introduction / selection formula.
- Quick switch of the dosage target, through a dedicated key.
- Quick introduction and selection of the dosage data, only for models with numeric keyboard

I/O FUNCTIONS

- Serial communication protocol for programming the formulas, the products and managing the cycle.
- START / RESTART dosage, PAUSE / RESET cycle through external inputs.
- Formula selection through 2 external inputs (only for models with 4 inputs).
- Dual dosage speed (approximate and fine), through any available contacts or analogue output (in the “AN” models).
- “Fine” dosage contact active either constantly or intermittently (jogging).
- Automatic management of the reloading of the silo using a dedicated contact.
- Indication of weight within tolerance, out of tolerance, finished dosage, or alarm through any dedicated contacts.
- Analogue output (only for "AN" models) proportional to the weight or to the dosage speed.

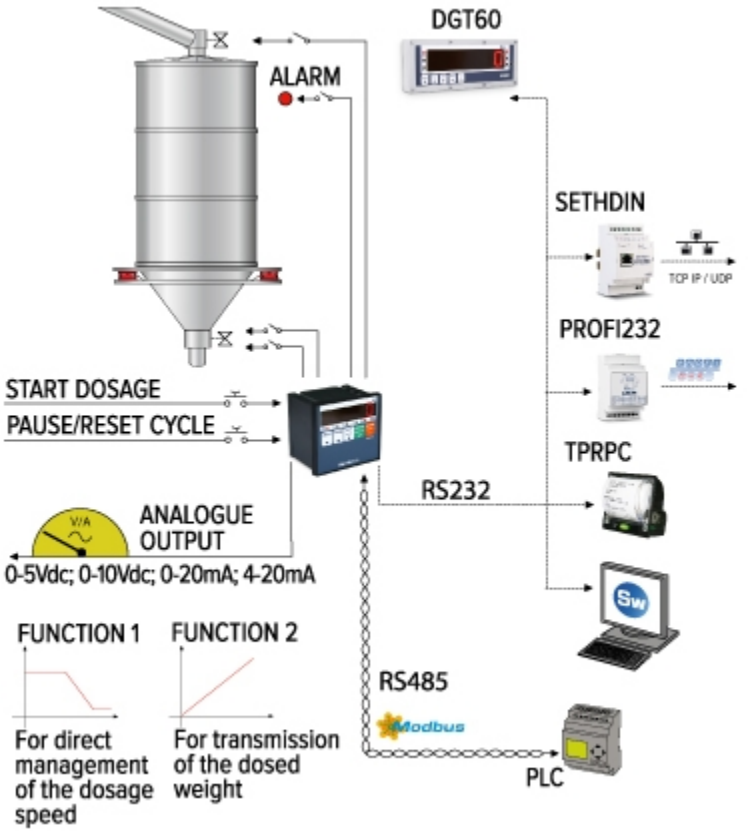
DOSAGE FUNCTIONS

- Automatic dosage in unloading.
- Automatic printing of the dosage data.
- Storage and printing of the consumptions. Printouts may be quickly recalled from the keyboard.
- Automatic correction of the flight weight.
- Repetitions of the programmable dosage cycles; infinite cycle function.
- Tolerance test on the dosed weight, with guided correction on display.
- Control of the maximum dosage time.
- Alarms indication on display.

FUNCTIONING OF THE DOSAGE IN UNLOADING

- 1 . Once the dosage start command is received, the instrument:
  - verifies that the quantity of material is sufficient to execute the programmed dosage cycle and that the weight is stable,
  - executes the automatic tare and the enabling of the automation through its dedicated outputs: the dosages start at maximum speed.
- 2 . Once the speed switch threshold is reached, the dosage slows down through its dedicated output.
- 3 . When the TARGET is reached and the configured flight weight is missing, it disables the dosage output, and then it waits (for the configured time) for dropping the material.
- 4 . Tolerance test on the dosed weight.
- 5 . Storage of the formula consumptions and increment of the dosed general total.
- 6 . Waits for the start of the new dosage or automatically restarts with the following cycle.

DETAIL 1



Example of dosage system for discharging with the DGTQF

www.diniargeo.com



DINI ARGEO FRANCE sarl
Nogent-sur-Marne

DINI ARGEO GMBH
Sinsheim - Germany

DINI ARGEO UK Ltd
Taunton - United Kingdom

DINI ARGEO WEIGHING INSTRUMENTS Ltd
Shanghai - China

DINI ARGEO WEIGHBRIDGES
Calto (RO) – Italy

DINI ARGEO
Scales - Weighing systems

HEAD OFFICE
Via Della Fisica, 20
41042 Spezzano di Fiorano Modena - Italy

ATEX

ISO 9001:2008

SC DATA SPEED SRL

STR DONATH N. 115/33 - 400331 - JUD. CLUJ

Tel. 0040-264566473 Fax. 0040-364-815440

office@cantare.com.ro

SALES AND TECHNICAL ASSISTANCE SERVICE