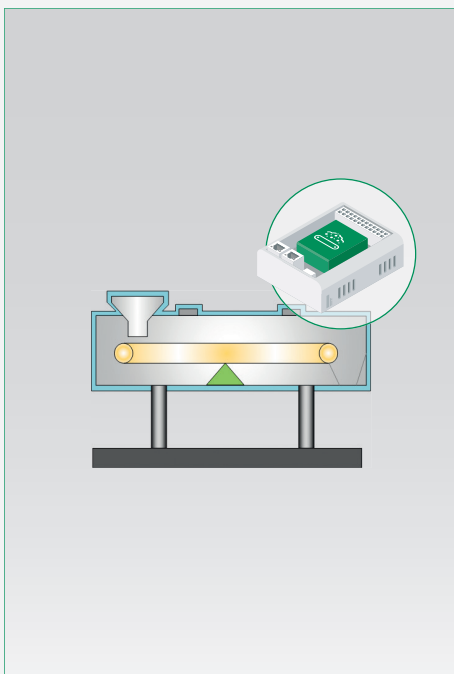
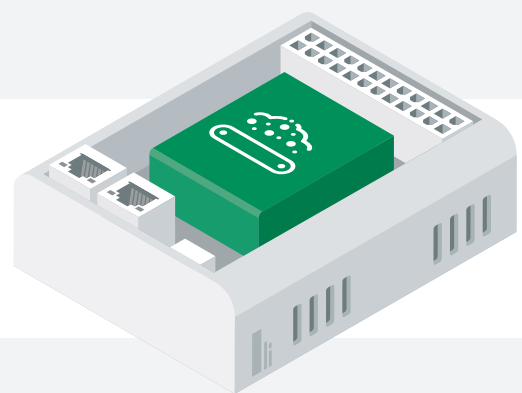


The DE-CONscrew control system is used to support the operation of weight belt feeders for dosing bulk materials. Due to continuous performance determination and evaluation, automatic performance adjustment can be made at any time.

## DE-CONbelt

*Control system for weight belt feeder*



Loss-in-weight feeder  
with belt as discharging element

### Highlights

- Controls the setpoint-precise dosing according to the „Loss in Weight“ principle into a continuous process
- Supports gravimetric and volumetric operation of weight belt weighers when feeding normal to free-flowing bulk materials
- Control system for dosing, measuring or batch belt weighers
- Highly accurate dosing due to adaptive control
- Optimized refill handling
- Integrated control of a conveyor system (option)
- Automatic scale calibration
- Speed monitoring of the discharge unit (digital / analog)
- Continuous performance determination and analysis for automatic performance adjustment in start-up and shutdown mode
- Single and group operation

## Features

- Time-based throughput counters
- Digital filtering of the weight values ( detection digital / analog) for an exact calculation of the feeding capacity
- High-resolution weight recording via digital/analog load cells
- Direct connection of load cells (4/6-wire technology)
- Control of frequency inverter serial/analog
- Internal alarm buffer
- Integrated web server for complete configuration and parameterization
- Can be used in the control cabinet or directly in the plant
- 4 digital inputs/ and outputs with a number of standard functions (enable, operating contact, external fault, refill process, alarm, etc.) assignable or available for free use

## Options

- Digital/Analog Extensions
- Operating Options
  - DE-COP 5 single (for single operation of a dosing unit)
  - DE-COP 5 multi (for operating up to 6 dosing units)
  - DE-COP 16 (for operating up to 16 dosing units)
  - Provis (Line software: up to 8 lines á 16 dosing units)
  - AIO-Control (Plant visualization = dosing units + other devices)

## Communication

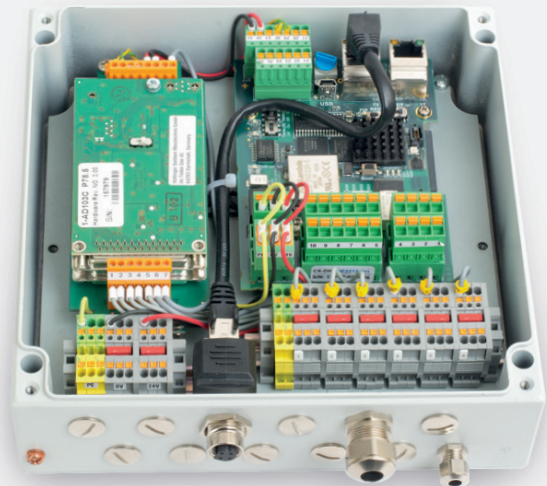
- Numerous interface protocols OnBoard and selectable/ parameterizable via web server
- Data contents of interface can be adapted flexibly
- Greatest possible flexibility during project planning, since data contents are available on all interfaces

## Supported protocols

- Profinet
- Modbus TCP
- Ethernet IP
- EtherCAT
- Profibus
- RK512
- OPC UA
- Serial fieldbus



Not yet realized protocols will be integrated free of charge.



*Our control systems are extremely flexible and fit also to your dosing technology*

Would you like to learn more about our products? We look forward to advising you.



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