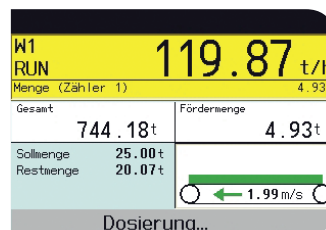


## BELT Software

Software for belt scales

### Advantages

- External counters can be connected
- Continuous data transmission or data transmission as required
- Three counters for e.g. feed rate, shift total and total quantity.
- PLC connection via optional analogue output, Profibus DP, Profinet, Ethernet/IP or Ethernet



■ Dosing operation



■ Input/configuration on the device

# Software for dosing and belt scales



The Höfelmeyer BELT software continuously records the volume of bulk material conveyed on a belt scale. BELT makes it possible to connect a belt scale to an analogue load sensor. The A/D converter has a high measuring rate and offers high accuracy and excellent insensitivity to electromagnetic radiation. The software runs as an independent system or in combination with a PLC or a control system. The device can be configured for easy recording of conveyor quantities or for dosing with volume pre-selection and adjustable overrun. In addition, the BELT has a configurable connection for rotary pulse encoder for recording the belt speed. Encoders with PNP, NPN or NAMUR output can be used. Optionally, operation without encoder is possible.

## Display and keyboard

- Main display with current conveyor rate (kg/h or t/h) and operating status
- Additional display switchable between conveyed quantity, conveyor output, total conveyor quantity, belt load and belt speed.
- Graphic representation of belt loading and speed as well as operator guidance. In dosing mode additional display of setpoint and residual quantity. Alphanumeric membrane keypad with function and balance buttons

## Weighing electronics

- Integrated measuring amplifier for connecting one or various DMS weighing cells

## Interfaces

- Ethernet connection (option WiFi): Integrated Ethernet interface for data transmission and/or remote maintenance
- Freely configurable digital inputs/outputs,
  - Outputs configurable as: Ready, dosing active, zeroing, distant signal, ready, quantity signal, error
  - Inputs configurable as: Start, stop, Release, zeroing, cancellation, reset, pressure release

## Rotary encoder input

- One or two-channel operation for recording the belt speed, 5-10 VDC, max. 10.000 pulse/sec. A complete speed sensor consisting of impeller, arm and encoder is available on request.

## Options

- Analogue output for outputting the current conveyor output or belt load: Resolution 15 bits
- Interface for connection to control system or remote display. Transfer of feed quantity and/or throughput.