SEG ®
industrial weighing

System T3 - Model 850

## Advanced belt weigher controller for approved weighing

SEG Model T3 850 is an advanced belt weigher controller with built-in PID-regulator and loadout functions. A splash proof key pad allows the operator to communicate with the system via a user friendly menu system. and MID OIML CERTIFICATE OF CONFORMITY Legal scale for Certification, when required.

- Remote control via I/O-units
- Serial communications interfaces
- Semi automatic set-up
- Selectable languages

- Programmable control logic
- TAC Type Approcal Certificate:

  SPJ 00:30/GD37

  OIML R50: 1997 class 0,5

Front key functions

Key number	Function
1. Start loadout	Start of loutout function
2. Stop loadout	Terminates loadout function
3. Clear subtotal	Zero sets indicated totaliser subtotals 1 or 2.
4. Auto zero	Initiates an autozero sequence
5. Clear alarm	Reset an alarm indication
6. Loadout set-point	Enters desired loadout setpoint value
7	
8	
9. Printout	Printout of subtotals statistics etc.
0 Display select	Toggles lower display indication between total, subtotals or loadout results if selected

Arrow and enter keys for menu navigation when in program mode.
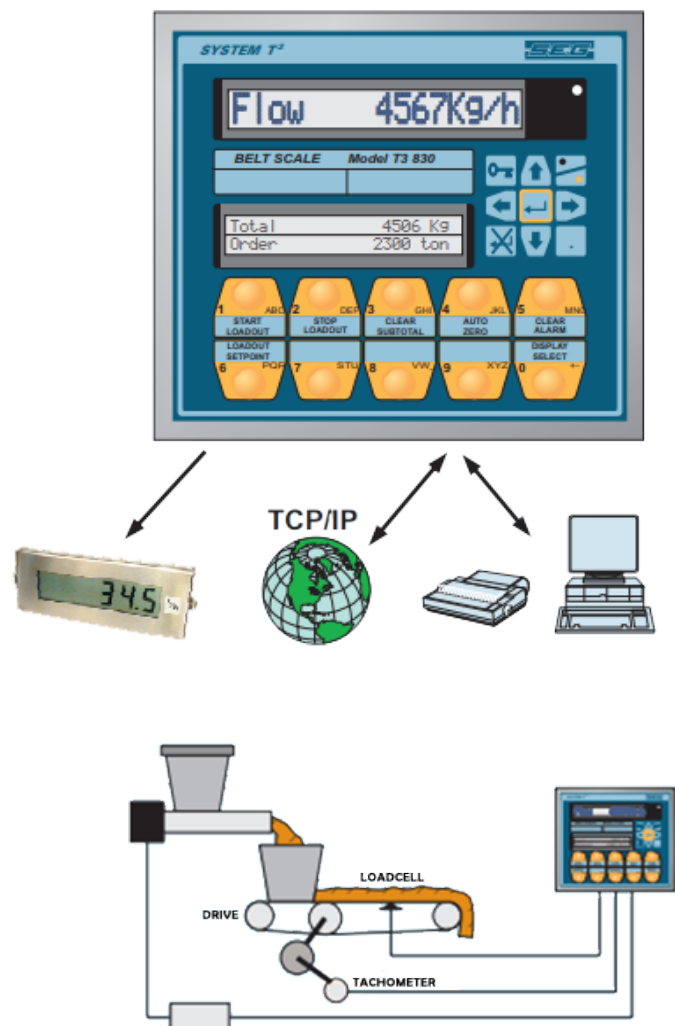
Technical specifications

Display reading

Upper display

Current mode (Flow, Empty, Auto zero, Stop etc.) and Flow indication with selected units (kg/h, t/h)

Lower display

Row 1

Selected totaliser (Loadout, Total, Subtot. 1, Subtot 2.) or regulator output signal (%mA).
Alarm information (Bad frequence, No system zero etc.)

Row 2

Loadout setpoint/ Operator communication (menu system)

Output functions

Below are available relay and analogue functions listed (Requires optional I(/O -units)
Output relays: 250VAC/10A Analgoue signals: 0/4-20 mA *Refer to Spec. T42-2e*

Legal menu	Empty	Main feed, Loadout
Load level	Level 2	Feed Time, Loadout
General Alarm	Level 3	Total 2, Loadout
Totalising	Loadout Dev +/-	Total 1, general (Built in 24Vdc pulse)
Regulator Dev. +	Loadout Dev+	Flow indication (analogue signal)
Regulator Dev -	Loadout-	Flow indication scaled (analogue signal)
Level 1	Belt Running	Regulator output signal (analogue signal)
Zero OK	Belt running	
Zero ON	Flowrange overload	Speed control output (analogue signal)

Input functions

Below are available relay and anlogue functions listed (Requires optional I/O-units)

Clear alarms	Block totalising
Manual (regulator)	FlowtoSetpt. (Regulator)
Use PID 1 / PID2	Step. + (Regulator, manual)
Ask for zero	Step. - (Regulator manual)
Start Loadout	Keyboard lock
Stop Loadout	Regulator setpoint (0/4-20mA / 0-10V / serial communication)
Abort Loadout	
Block AutoZero	

Control

Built-in PID regulator with 2 set of parameters. Remote control of setpoint, and manual operation. Outputs for Deviation+/- etc

Loadout function including automatic afterflow control with outputs for deviation+/-, feed control and totalisation.

Speed control function for retaining of constant load on weigh unit

Auto-zero function when running empty

Selectable levels for surveillance of load time, running time, overload etc.

Additional

2 com ports available for connection to printer, Host computer or additional T3-controllers for ratio control.

Serial interfaces available for RS232C RS485, TCP/IP and 20 mA Current Loop

Password protected menu system for parameter settings