

# System T3 - Model 830

Belt scale indicator for approved weighing with built-in loadout function

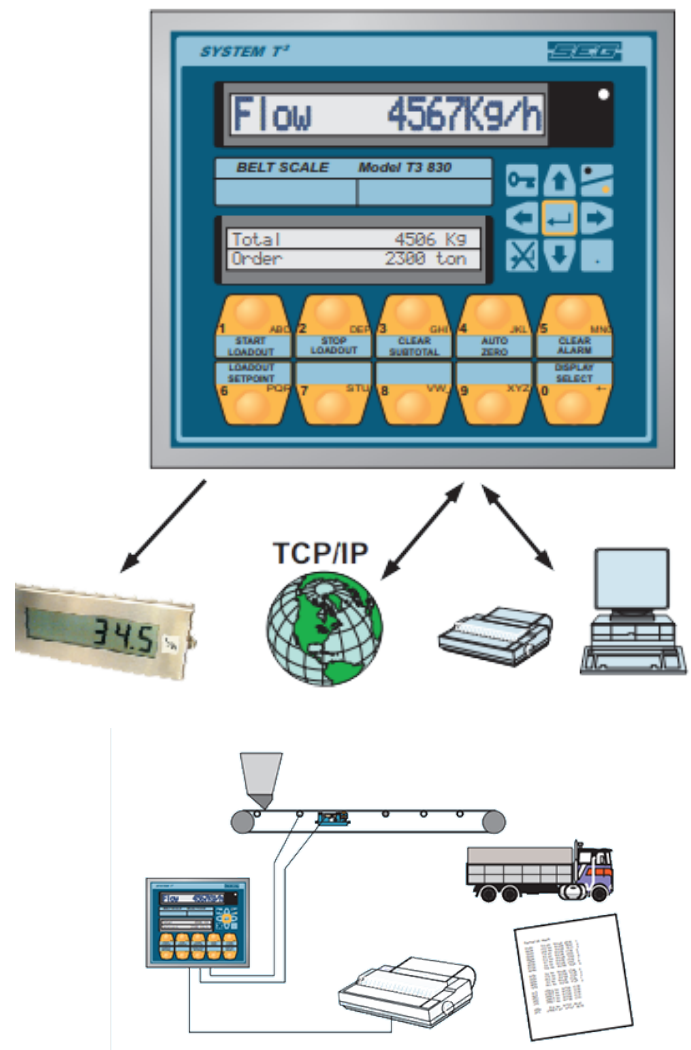
SEG model T3 830 is an advanced belt weigher controller with built-in loadout function. A splash proof key pad allows the operator to communicate with the system via a user friendly menu system. **MID** and **OIML** Certificate of conformity for certification a legal scale, when required.

- Remote control via I/O-units
- Serial comm. via TCP/IP, RS485 etc.
- Semi automatic set-up
- Selectable languages
- Programmable control logic
- TAC Type Approval Certificate:  
*SPJ 00:30/GD37*  
*OIML R50: 1997 class 0,5*

## Front key functions

Key number	Function
1. Start loadout	Start of loadout 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 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

<b>Upper Display</b>	Current mode (Flow, Empty, Auto zero, Stop etc.) and Flow indication with selected units (kg/h, t/h)
<b>Lower Display</b>	
Row 1	Selected totaliser (Loadout, Total, Subtot. 1, Subtot 2.) Alarm information (Bad frequency, 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 Analogue signals: 0/4-20 mA *Refer to Spec. T42-2e*

Legal menu	Main feed, Loadout	Flow indication analogue signal
Load level	Feed Time, Loadout	Flow Indication, scaled analogue signal
General Alarm	Level 3	Total 2, Loadout
Totalising	Loadout Dev +	
Level 1	Loadout Dev-	
Zero OK	Belt running	
Zero ON	Flowrange overload	
Empty	Sample	
Level 2	Total 1, general (built in 24Vdc pulse)	

### Input functions

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

Clear alarms	Block totalising
Zero set Subtotal 1	Print
Zero set Subtotal 2	Keyboard lock
Ask for zero	
Start Loadout	
Stop Loadout	
Abort Loadout	
Block AutoZero	

### Control

Loadout function including automatic afterflow control with outputs for deviation +/-, feed control and totalisation  
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 as master for ratio control  
Serial interfaces available for RS232C RS485, TCP/IP and 20 mA Current Loop  
Password protected menu system for parameter settings