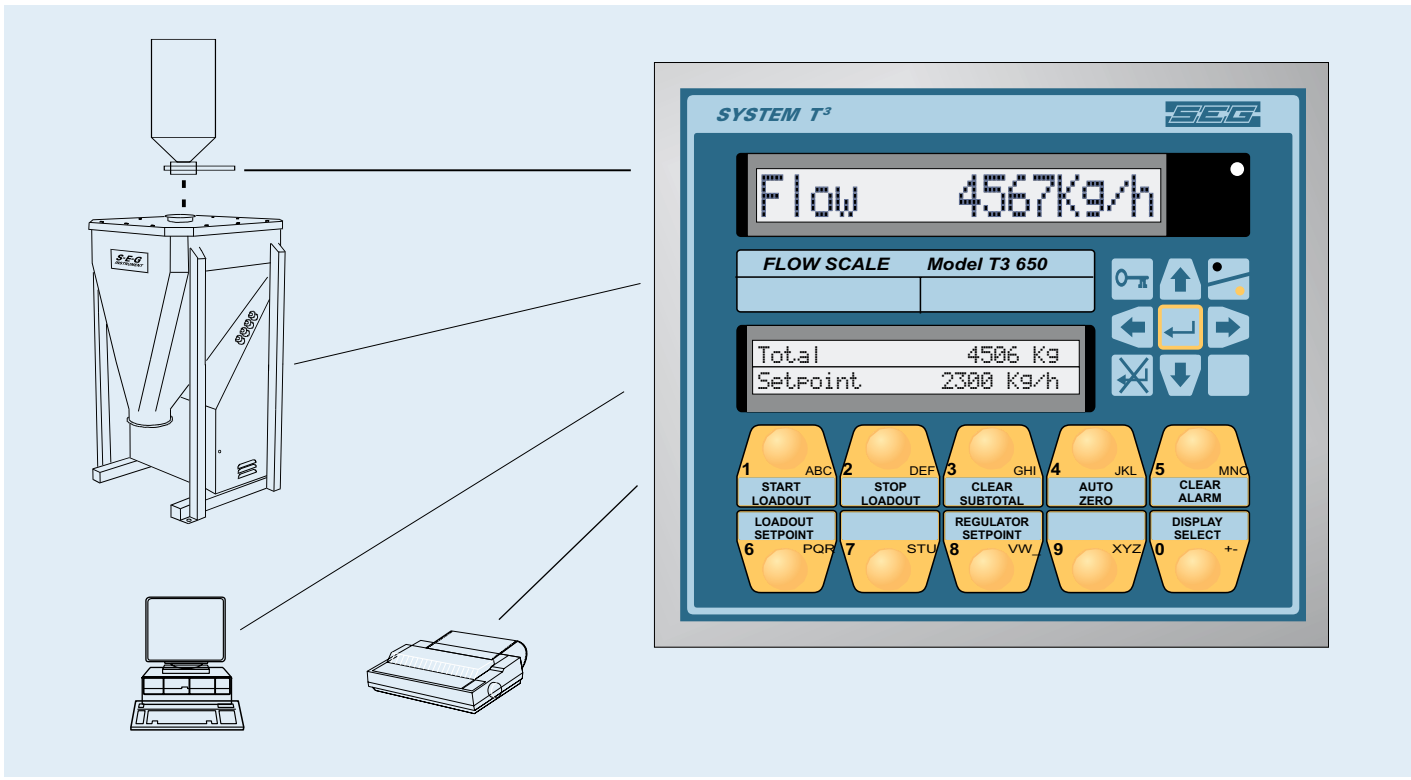
SYSTEM T3 Model 650

TECHNICAL DATA AND FEATURES



SYSTEM T3 Model 650 typical arrangement of a mass flow meter installation

SEG Model T3 650 is an advanced Flow meter 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.

- Remote control via I/O-units
- Serial communications interfaces.
- Semi automatic Set-up.
- Selectable languages
- Programmable control logic
- Modular Industrial design

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	Resets an Alarm indication.
6 LOADOUT SETPOINT	Enters desired loadout setpoint value.
7	
8 REGULATOR SETPOINT	Enters desired regulator setpoint value.
9	
0 DISPLAY SELECT	Toggles lower display indication between Total, Subtotals or regulator output indication.

Arrow and enter keys for menu navigation when in program mode

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DISPLAY READING

Upper Display

Current Mode (Flow, Empty, Azero, Stop etc.) and Flow indication with selected units (kg/h, t/h).

Lower Display

Row 1.	Selected totaliser (Total, Subtot.1, Subtot.2) or regulator output signal (%mA). Alarm information (Bad Frequence, No system zero etc.)
Row 2.	Setpoints (xxxxkg/h) / 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: 0/4-20mA Refer to spec.T42-2e

Motor ON 1	Empty	Main feed, Loadout
Motor Low ON	Level 2	Feed Time, Loadout
General Alarm	Level 3	Total 2, Loadout
Totalising	Regulator Dev+/-	Total 1, General (built-in 24Vdc pulse)
Regulator Dev.+	Loadout Dev+	Flow indication (analogue signal)
Regulator Dev.-	Loadout Dev-	Flow indication, scaled (analogue signal)
Level 1	Wheel running	Regulator output signal (analogue signal)
Zero OK	Overload	
Zero On	Sample	

INPUT functions

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

Clear Alarms	Block Totalising
Manual (regulator)	FlowtoSetpt. (regulator)
Use PID 1/PID 2	Step.+ (Regulator, manual)
Ask for zero	Step.- (Regulator, manual)
Start Loadout	Keyboard lock
Stop Loadout	Regulator setpoint (0/4-20mA/0-10V)
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.

Auto-zero function when running empty.

Password protected menu system for parameter settings.

Selectable flow levels for surveillance of load time and running time.

ADDITIONAL

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

Serial interfaces available for: RS232C, RS485 and 20mA Current Loop