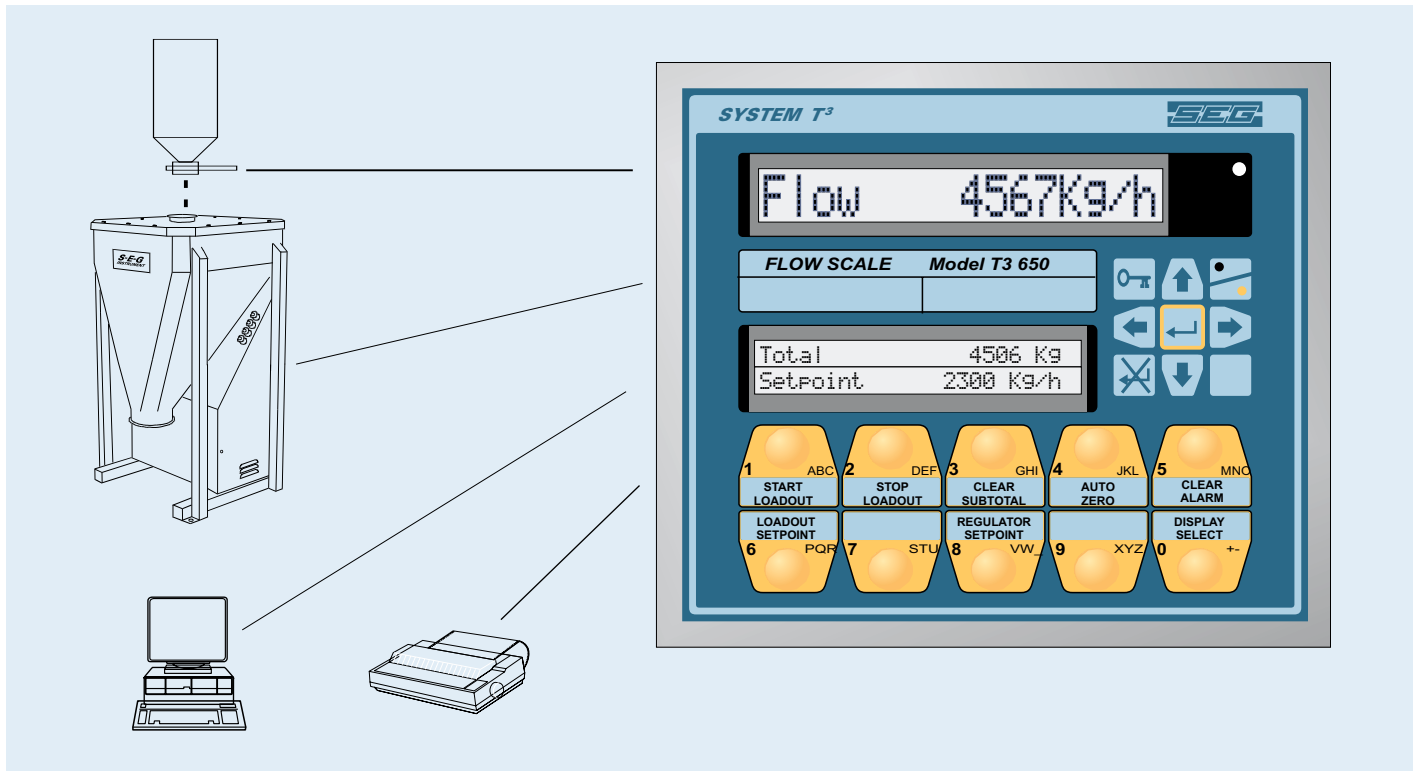




SYSTEM T3 Model 650

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

Selectable languages

Serial communications interfaces.

Programmable control logic

Semi automatic Set-up.

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

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 Frequency, 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

