Weight Indicator FT-10 Flow

Product Description

The FT-10 Flow weighing controller is a very precise discontinuous dosing controller and is used especially for flow control in the production and for the summation of the transported material. This device also provides information on the estimated material flow rate for the next 24 hours and over the day's total weight. The weighing controller offers 4 opto-isolated and 2 non-isolated digital inputs as well as 5 relay contacts as outputs. The weighing controller can also be used for different purposes, such as the weight of the entire production batch, the total weight, week total weight .

The weighing function is approved for accuracy class III with up to 10 000 intervals according to OIML R76. B asic weighing function, special additional functions and a numerical data input are controlled by a 5 membrane membrane switch with mechanical pressure point. A variety of status indicators provide information on the operating conditions. The large 6-digit LED display (height 13.5 mm) allows good readability even in poor light conditions.

Optional Interface

Ethernet TCP/IP	10 Mbit/s, half-duplex
Profibus	Profibus DPV1. 9,6 kbits/s to 12Mbit/s aut. baudrate detection
Profinet	100 Mbit/s full-duplex, galvanically isolated
CANopen	10 kbit/s - 1 Mbit/s aut. baudrate detection
EtherNET/IP	10 Mbit/s or 100 Mbits, galvanically isolated
EtherCAT	100 Mbit/s full-duplex, galvanically isolated
CC-Link	156 Kbit/s or 10 Mbits, baudrate detection

Key Features

EU Type approved for 10 000 intervals

Internal resolution16 000 000 counts, display up to 999 000 counts

Approved sensitivity 0.4 µV/e

Conversation rate 1600/s

Serial Interface RS232C, RS485

4-wire or 6-wire technology

4x isolated digital inputs (24 V) and 5x isolated digital outputs

10 step adjustable digital adaptive Filter

Calibration with eCal or test weights
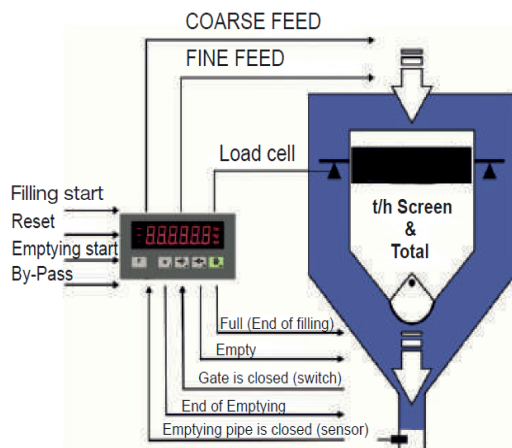
Display kg or lb

Functions: Flow rate control, accumulation control, By-pass function, control of emptying pipe

CE IP65

flintec
quality + precision

Specifications

Model	FT-10 Flow
Accuracy	
Accuracy class	III
EU Type approved	10 000 intervals
Display and Keyboard	
Display	6 digits, 7 segments, LED red, 13,5 mm high
Keyboard	5-key membrane with tactile feedback
Key lock	Basic weighing related key can be locked against unauthorized access
A/D Converter	
Type	24 bit Delta-Sigma with integral analog and digital filters
Conversion rate	Up to 1600 measurement values per second
Minimum input sensitivity	0.1 µV/d (non legal for trade) 0.4 µV/d (legal for trade)
Analogue input range	-18 mV to 18mV
Resolution	Internal up to 16 million counts, display up to 999 999 counts not legal for trade / 10 000 counts legal for trade
Linearity & temperature coefficient	Within 0.0015 % FS; ≤ 2 ppm/°C
Scale Calibration & Functions	
Calibration	Calibration is performed by application weights or via (eCal)
Digital filter	10 step adjustable adaptive Filter
Weighing functions	Tare, zero, motion detection, auto zero trackin, total weight
Process functions	Flow rate control, emptying pipe control, by-pass functions, totalising control, daily total, estimated next total, batch total, turn total, weekly total
Digital inputs / digital outputs	4x isolated digital inputs 12...28 VDC,10 mA / 5x relay contact 250 VAC or 30 VDC, 1 A
Load cells	
Excitation	5 V DC max. 125 mA
Number of load cells	Up to 8 load cells (350 Ω) or 25 load cells (1 100 Ω) in parallel
Connection	4-wire or 6-wire technology. Cable length 1000 m/mm² for 6-wire connection
Communication & Serial interface	
RS232C	1 200...115200 baud, 8 N1 / 7E1 / 701
RS 485	1 200...115200 baud, 8 N1 / 7E1 / 701
Modbus RTU	RS - 485, 1 200...115200 baud, programmable
Power Supply & Environment & Enclosure	
DC Power Supply	12...28 VDC max. 300 mA
Operation temperature & humidity	-10 °C to +40 °C legal for trade; 85% RH max, non-condensing /-15°C to +55°C not legal for trade
Dimensions	48 x 96 x 100 mm
Enclosure	IP 65, Stainless steel front panel, aluminium body, stainless steel rear panel.

Single Application

Multiple Application

Weight-Controller | FT-10 Flow | www.fintec.com.de

E221-Rev0   Dimensions and specifications are subject to change without notice.

2