Flow Regulator For Belt and loss in weight touch **MC 755L**

General information

PWS39320261127

The top-tier continuous loss-in-weight weighing system MC 755L is designed to precisely monitor weight over time and calculate material flow rate across a wide range of industrial applications. This loss-in-weight weighing system is the ideal solution for optimizing production processes and ensuring maximum efficiency. The MC 755L constantly monitors material weight, enabling accurate flow rate control, and automatically calculates the material flow rate based on weight loss over time. The MC 755L is fully customizable to meet the specific needs of each application and **can function as both a loss-in-weight flow rate controller and a belt flow rate controller**, offering maximum flexibility. This continuous dosing system integrates weight and speed variables to precisely measure and regulate flow rate. The front panel mounting facilitates integration into any industrial weighing system. The intuitive user interface with a 7-inch color touch screen makes configuration and operation simple and straightforward. The front panel mounting facilitates integration into any industrial weighing system. **Analog and Ethernet ports are always available**, Profinet, Ethernet IP, and Ethercat fieldbuses are available on board as an option, while CANopen and Profibus are available via an external module.



Technical Manual: mc-755L_technical_manual.pdf

All indicated data may be changed without notice.
All the measures indicated are expressed in millimeters (mm).

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Industrial Electronic Weighing Systems since 1963

Technical specifications

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Load cells input:	Cell power supply 5 Vdc 240 mA (max 16 cells of 350 Ohm), short-circuit protected
A/D Converter:	Integrated 24-bit A/D converter up to 1,000 conversions/sec
Measuring range:	- 7.8 mV/V ÷ + 7.8 mV/V
Input sensitivity:	0.02 µV min
Linearity:	< 0.01% FS
Gain drift:	< 0.001% FS / °C
Internal Resolution:	> 16,000,000 points
Divisions value (adjustable):	0.0001 ÷ 50
Encoder input:	1 x incremental 2-phase (up/down, A/B), power supply 24Vdc (100mA max), freq. 2KHz max
Logic output:	6 x digital optoisolated max 30 Vdc, 0.1 A ea. expandable with Pavone EIOS 84 module
Logic inputs:	6 x optoisolated digital inputs (7.5 ÷ 24 Vdc PNP) expandable with Pavone EIOS 84 module
Analog output:	2 x isolated analog outputs (0-10V / 4-20mA) second output optional
Analog inputs:	1 x optional analog input (0-10V / 4-20mA)
Recommended input:	10 ÷ 30 Vdc 10W max isolated
Display:	7" backlit color TFT LCD, 800 x 480 pixels, 152 x 92 mm viewing area
Keyboard:	Resistive touch panel integrated in the LCD, with acoustic feedback (buzzer)
Container:	aluminum enclosure, external dimensions 202x133x44, drilling template 190x117 (mm)
Electrical connection:	Removable screw terminals with 5.08mm pitch and RJ45, USB A and B communication ports
Communication interfaces:	2 x Rs232, 2 x Rs485, 1 x Ethernet (LAN), 1 x USB (pendrive), 1 x USB (device)
Optional interfaces:	on board = Profinet, Ethernet-IP, Ethercat / with external module = CANopen, Profibus
Microcontroller:	ARM Cortex M7 @ 280Mhz with 1MB RAM and 2MB integrated FLASH
Data storage:	ROM up to 4MB, DATA FLASH up to 4MB, optional 2MB alibi memory
Temperature range:	-10*C ÷ +40°C
Storage temperature:	-20°C ÷ +70°C
Isolation:	Class I
Degree of protection:	IP65

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