



DESCRIPTION

- Loss-in-weight regulator in DIN box suitable for front panel mounting.
- Dimensions: 144x72x120 mm (drilling template: 139x67 mm)
- Backlit LCD display, two-line by 16-digit (5 mm height).
- Protective fuse accessible from the outside.

On request:

- PROFIBUS protocol (it needs additional module).
- Separate module for an additional analogue input and output.
- ETHERNET interface module.
- 24 column printer.

INPUTS/OUTPUTS AND COMMUNICATION

- 1 RS232/RS422/RS485 serial output (DB9 connector) for communication via ModBus RTU, Profibus DP, ASCII protocols.
- 6 relay outputs.
- 8 optoisolated PNP digital inputs.
- 1 load cell dedicated input.
- Current or voltage 16 bit analog output.

CERTIFICATIONS

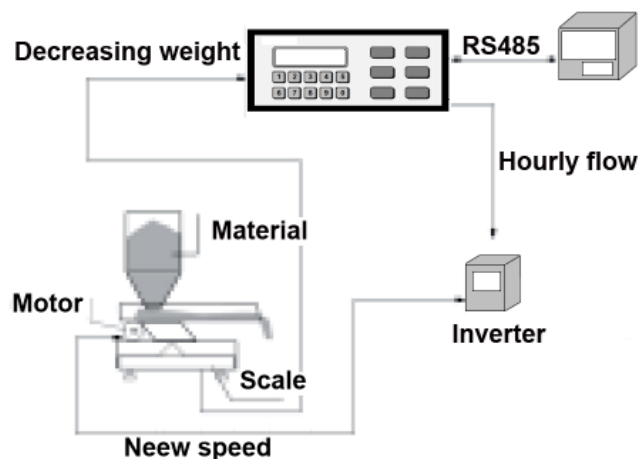


Equivalent of the CE marking for the United Kingdom

MAIN FUNCTIONS

- Maintaining the set point flow by adjusting IP analog output, with an alarm output of flow out of tolerance.
- Continuous transmission of the instantaneous flow rate, detected by analog output proportional to it.
- Ability to set, for batching, the values of preset, set and fall with pulse outputs to the achievement of values.
- Calculation of total weight of the batched material and transmission through pulse output; ability to drive a printer via RS232.
- Programming of up to 15 different set points of work, settable by BCD inputs.
- Ability to freeze the analog output value by means of logic input, in order to avoid the initial pendulation of system (for all 15 set point).
- Ability to display, during operation, I/O status, the current weight, current speed, encoder pulses and the correction factor set.
- Possibility to connect to PC/PLC by means communication protocols: ASCII, Modbus RTU and Profibus (on request).

APPLICATION DIAGRAM



TECHNICAL FEATURES

Power supply and consumption	230/115 VAC 50-60Hz ; 15 VA
Number of load cells • Load cells supply	up to 6 (350 Ω) a 4/6 wires • 5 VDC / 90 mA
A/D Converter	24 bit
Measurement range	±3.9 mV/V
Display resolution	60000
Internal resolution	16000000
Display increments	x1 x2 x5 x10
Relay outputs	6 - max 115 VAC / 30 VDC / 0.5 A each
Optoisolated digital inputs	8 - 12/24 VDC PNP
Serial ports	COM1: RS232c half duplex; COM2: RS422/RS485 half duplex
Baud rate	9600 (bit/s)
Analog output	16 bit. 0÷20 mA; 4÷20 mA (up to 300 Ω) 0÷10 V; 0÷5 V (min 10 kΩ)
Encoder supply	12 VDC
Encoder input	single phase push-pull max. 2 kHz
Humidity (condensate free)	10÷90%
Storage temperature	-20 °C + 70 °C
Working temperature	-10 °C + 50 °C