COBRA265

CONTINUOUS BELT WEIGHING SYSTEM

LAUMAS®



DESCRIPTION

- Flow rate regulator for belt in DIN box suitable for front panel mounting (dimensions: 144x72x120 mm; drilling template: 139x67 mm).
- Backlit LCD alphanumeric display, two-line by 16-digit (5 mm height).
- Protective fuse accessible from the outside.
- The COBRA265 not only integrates weight and speed variables but also generates the instantaneous flow rate per hour, total weight and the function of automatic flow rate regulator function.

On request:

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

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, 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.
- Procedures for the zero setting on working loaded belt and automatic adjustment factor correction.
- Possibility to connect to PC/PLC by means comunication protocols: ASCII, Modbus RTU and Profibus (on request).

INPUTS/OUTPUTS AND COMMUNICATION

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

CERTIFICATIONS

UK CA Equivalent of the CE marking for the United Kingdom

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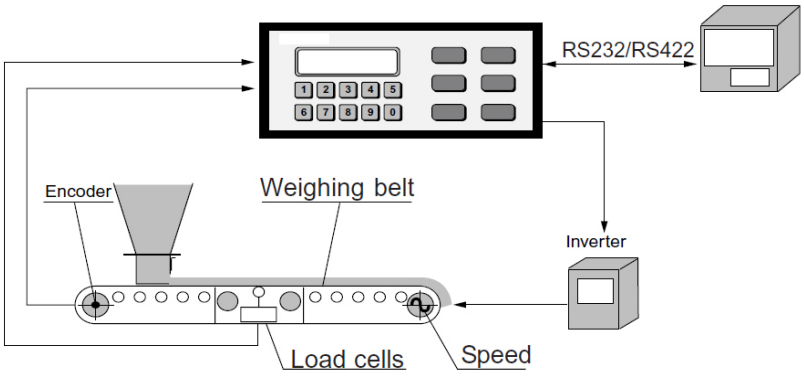
ISO 9001
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APPLICATION DIAGRAM



Ask for an offer for WEIGH BRIDGE or CONVEYOR BELT complete.

TECHNICAL FEATURES

Power supply and consumption	230/115 VAC 50-60 Hz; 15 VA
Number of load cells • Load cells supply	up to 6 (350 Ω) a 4/6 wires • 5 VDC / 90 mA
Measurement range	±3.9 mV/V
A/D Converter	24 bit
Display resolution	60000
Internal resolution	16000000
Readings per second	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	2400, 9600, 19200, 38400 (bit/s)
Optoisolated 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)	85%
Storage temperature	-20 °C +50 °C
Working temperature	-10 °C +50 °C

The Company reserves the right to make changes to the technical data, drawings and images without notice.

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