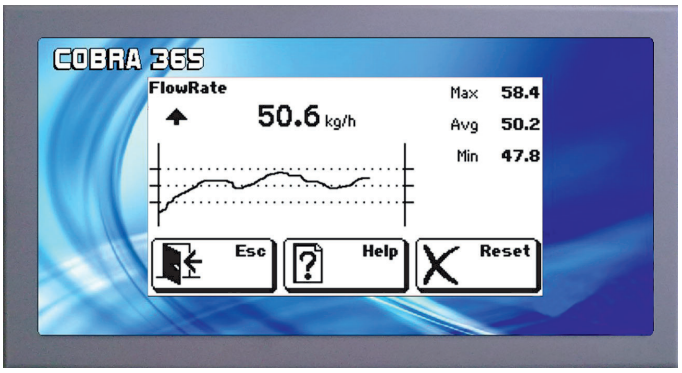
COBRA 365

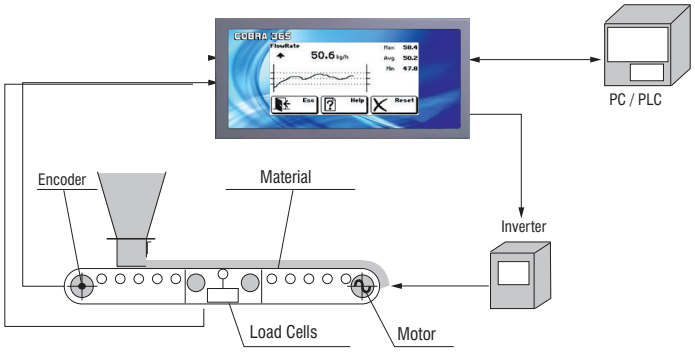
FLOW RATE CONTROLLER FOR CONTINUOUS WEIGHING

STAD
Automatic weighing systems

Basic features | **On request**

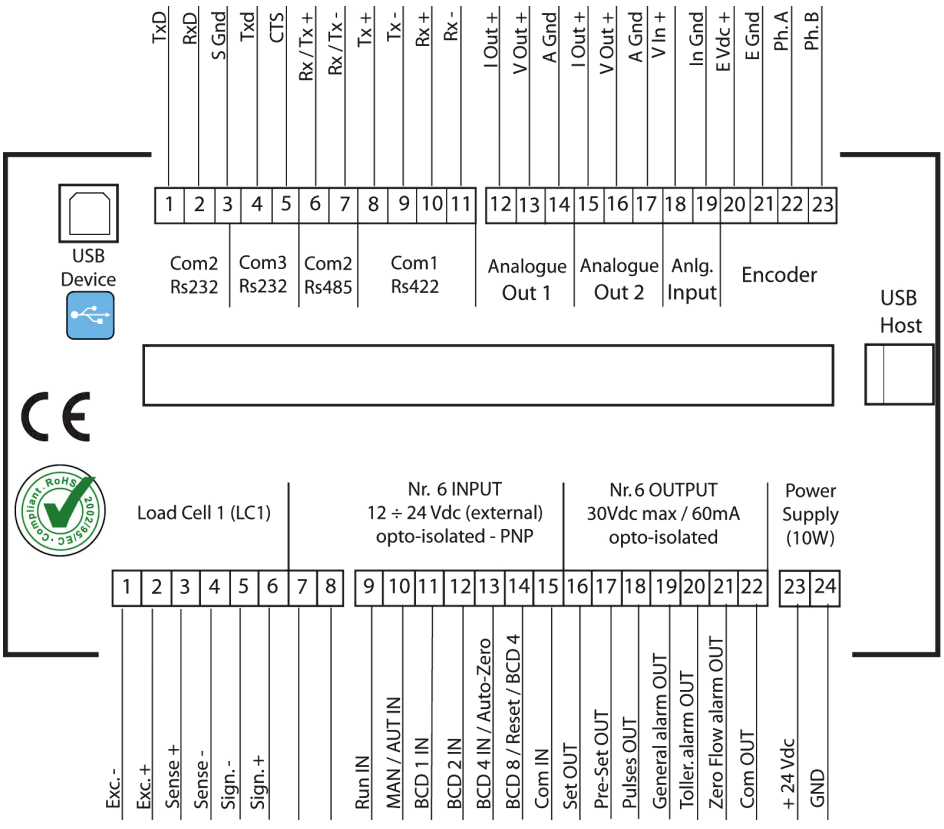
IP65 | RS485 RS422 | RS485 RS232 | RS232 | 1 ANALOG OUTPUT | +1 ANALOG OUTPUT | +1 ANALOG INPUT





Selectable menu languages

Instrument box for panel mounting.
Backlighted 5.2" TOUCH SCREEN LCD display.
IP 65 front panel protection rating.
The COBRA 365 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.



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

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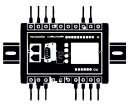
COMMUNICATION CAPABILITIES OF COBRA 365

COM 1

PC


PLC

COM 2

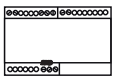
Master/Slave

I/O Module

Service PC

COM 3

Printer


Analog module

Display

PROTOCOLS (default / optional)

Default

Modbus RTU

Available on request

PROFIBUS® PROFINET® EtherCAT® Technology Group Ethernet TCP/IP EtherNet/IP USB Host

MAIN FEATURES OF COBRA 365

Maintaining the flow set point 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 presets, sets and fly with pulse outputs to the achievement of values.
Possibility of setting of the SET POINT via analog input; optional extra analog output in addition to the standard output
Save points for the working curve of the doser when used in combination with with non-linear extractors (eg electromagnetic extractor).
Calculation of the weight total and transmission by impulse output; output can be delivered in a 24 column printer via RS232 port.
Programming of up to 15 different set points of work, settable by BCD inputs.
Able to freeze the analog output value, by means of logic input, in order to avoid the initial pendulation of system (which runs all 15 set point).
Ability to display, during operation, I/O status, the current weight, current speed, the pulse encoder and the correction factor set.
Procedures for the zero setting on working loaded belt and automatic adjustment factor correction.
Can be connected with PC / PLC using comunication protocols ASCII, Modbus-RTU, Profibus, Profinet IO, Ethernet TCP/IP or IP, Ethercat (see figure above).

TECHNICAL FEATURES

Power supply and consumption	24Vdc 10W
CPU - Micro controller	RISC 32 bit - 44MHz
Number of load cells in parallel and supply	max 8 (350 Ω) - 5Vdc / 120mA
Communication protocol	RS232 / RS485 / USB Device, Ethernet
A/D converter	24bit
Protection rating	IP65

Display resolution	10.000	Analog output	16bit (V e mA)
Internal resolution	up to 600.000	Analog input	24bit (V e mA)
Reading resolution	1x, 2x, 5x, 10x	Encoder power supply	24Vdc
Logic output	nr.6 photorelè	Encoder input	bi-fase PP max 2KHz
Logic output features (cad.)	max 30Vdc - 60mA	Working temperature & humidity	-10 ÷ +50°C 85% (s.c.)
Logic input	nr.6 optoisolated	Case dimension	196x105x100 mm
Logic input features (cad.)	12/24Vdc PNP	Panel hole for monting	187x97mm

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