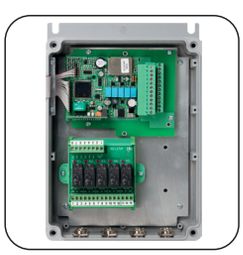
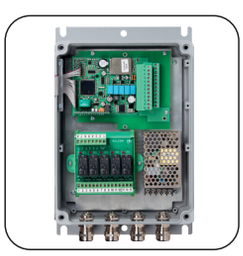
BOSCHE
WÄGETECHNIK

Weighing controller *CSW*

Features

- Ideal for filling and dispensing
- Power supply 230 VAC
- Number of parallel load cells: max.8 (at 350 Ohms)
- High measuring rate of the transmitter of up to 300 measurements / sec.
- A/D converter 24 bit
- Six-digit 7-segment LED display (height 14 mm) with 8 status LEDs
- Maximum number of decimal places: 4
- Programmable switch contacts
- Analogue output, optically isolated, 16 bit (selectable 0-20mA, 4-20mA, 0-10V, 0- 5V, ±10V, ±5V)
- 3 programmable potential-free outputs: max. 115V AC / 60mA for the control of relays
- Two digital, optically isolated inputs
- Standard Interfaces: RS-485 + RS-232
- Robust, durable aluminium die-cast housing, protection class IP 64
- All connections use screw terminals





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Weighing controller *CSW*

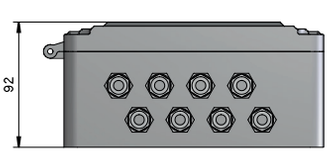
The CSW is a high-precision weighing terminal. It provides reliable weight values quickly and accurately.
The weighing terminal has analogue and digital outputs, which provide stable measurement information.
Programmable relay outputs and two digital logic inputs are also provided as standard.
The analogue output delivers an analogue signal in proportion to the weight, which can be processed by a PLC or a PC.

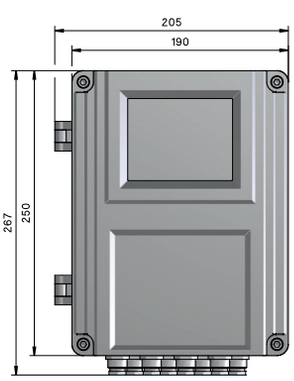
Konstruktion - Bedienung
The CSW weighing terminal has a 6-digit weight and service indicator. Thanks to the easy-to-read, bright LED display, the weight value can be checked directly in-situ. The five operating keys enable easy operation.The weighing controller is housed in a robust, durable aluminium die-cast housing with protection class IP 64. Both 4 and 6-wire technology load cells can be connected.

TECHNICHAL DETAILS

A/D converter	24 bit (16,000,000 parts), 4.8kHz
Load cell supply	5 V DC / 120 mA
Power	5 W
Supply voltage of the inputs	5- 24 VDC
Mains connection	240V/50-60Hz
Max. Counter steps	± 999999 (with measuring range +/-10mV = rec. 2mV/V)
Linearity	< 0.01% of range
Temperature drift (of the analogue output)	0.0005 (0.003) % of range / °C
Number of load cells (connected in parallel)	Max. 8 á 350 Ωor 16 á 700 Ω(4-wire technology)
Measuring range	± 39 mV
Max. Sensitivity of the load cells	± 7 mV
Max. Conversions per second	300 conversions/s.
Display	6 digits, 7 segments, LED red + 6 status LEDs
Decimal places	0-4; 0.01, 0.001, 0.0001
Resolution display - adjustable increments	x 1 x 2 x 5 x 10 x 20 x 50 x 100
Status symbols	Zero, tare, memory status
Measuring range	-1mv ~ +14 mv
Keyboard	Key pad with 5 keys to control the scale functions
Digital filter	0,012...7 sec
Conversion rate	5 - 300 Hz
2 x digital optically isolated inputs	5 - 24VDC PNP
1 x analogue output; optically isolated, 16 bit	0 / 4 ... +20 mA bei max. 300 Ω10 / -5 ...0... +5 / +10 V DC bei min. 10 kΩ
3 x logical relay outputs	max. 115 VAC / 150mAC
1 x serial interface 485	10 ... 300 Hz (TXRS485 / TDRS485)
Baud rate	2.400, 4.800, 9.600, 19.200, 38.400, 115.200
Operating temperature	- 20 ... + 60 °C
Storage temperature	- 30 ... + 80 °C
Humidity	max. 85% r.H., non-condensing
Dimension (W x D x H)	250 x 190 x 90 mm

TECHNICHAL DRAWINGS





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