NEW!

Wash Down Weigh Cell SW-WD-FS

WIPOTEC WÄGETECHNIK

Stainless steel IP 69K Wash Down

High weighing range up to 2,000 g with resolution starting from 50 mg

Description

The series SW-WD-FS Weigh Cells cover the weighing range up to 2,000 g. They have been specifically conceived as compact sensor components, meaning they are especially suited for installation into multi-track applications and everywhere where smallest frame sizes are demanded.

By using GMP-tailored construction, all Weigh Cells are especially suitable for Wash-Down applications.

All Weigh Cells in the SW-WD-FS series operate based on the principle of Electro Magnetic Force Restoration (EMFR). The system dependent active self-damping ensures the shortest possible measuring times while maintaining the highest resolution.

The Weigh Cell comes standard equipped - in connection with a separate electronic box - to supply "output weighing values" via a CAN, RS 422, Profibus DP- or Ethernet/IP interface as ready-to-connect modular components. The integrated software filters can be configured in many ways, enabling optimal adaptation of the weighing system to the respective ambient conditions. The Weigh Cells extensive command set facilitates simplified control engineering integration. Complemented by a variety of options, the Weigh Cell can also fulfill very specific requirements.

Features

- Weighing range up to 2,000 g
- Additive dead load range up to 1,000 g
- Slim construction in Stainless steel housing IP 69K Wash Down with separate electronic box
- Integrated active vibration compensation, AVC (optional)
- Interface 1: CAN, RS 422, Profibus DP, Ethernet/IP (optional)
- Interface 2: RS 232
- Sampling rate 1 ms

Options

- Option 10: RS 422 instead of CAN interface
- Option 11: Bus operation (standard)
- Option 12: Higher display resolution
- Option 13: Binary I/O channels (standard)
- Option 14: Filling algorithm
- Option 19: Active vibration compensation (AVC)
- Option 35: Profibus DP instead of CAN interface
- Option 36: Ethernet/IP instead of CAN interface

The Weigh Cell is used in

- Filling and closing machines for dairy, food and beverage industry
- Wash-Down applications
- Special machine manufacturing
- Multi-track weighing systems
- In-Process-Control applications

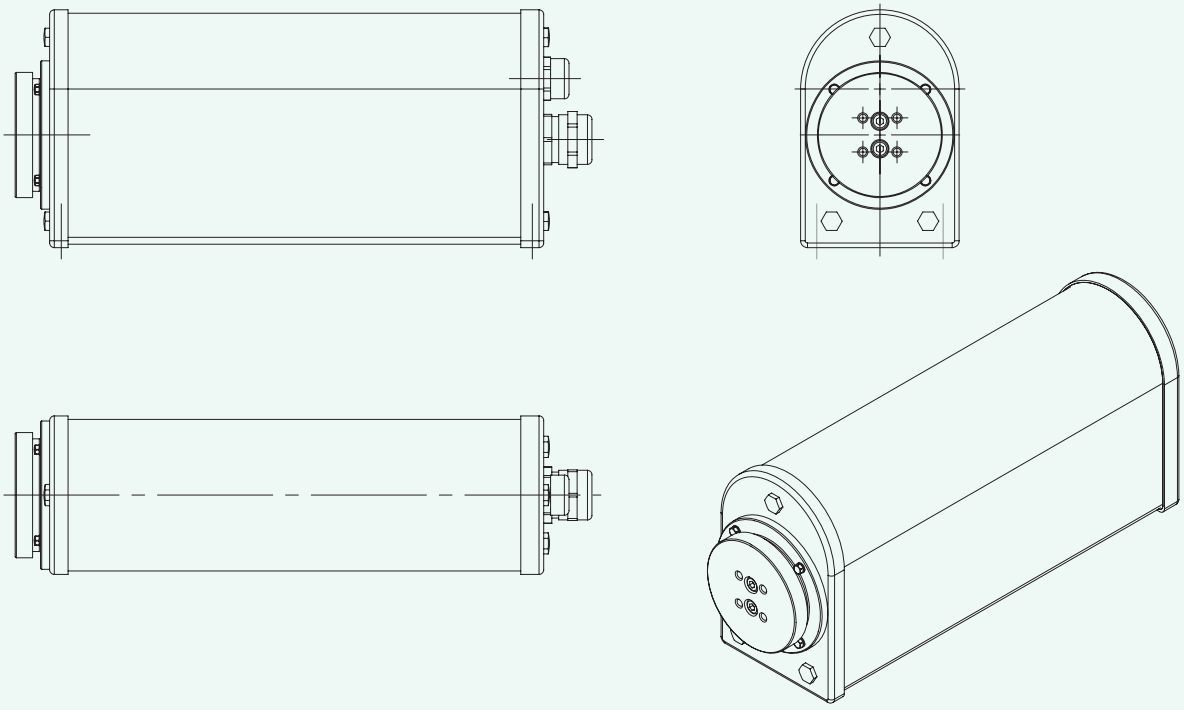
precision, that pays...

1,9 mg 10,1 mg 58,438 g 150 µg 0,01 g 8,57 g 500,07 g 230 mg

Technical data

Weigh Cell type	SW-WD 2000/1000-FS
Weighing range	2000 g
Electrically adjustable dead load range	1000 g
Display value (d)	0,1 g
[3)]Display value with higher resolution (Option)	0,05 g
Linearity ≤	± 0,1
[1)]Repeatability (S) ≤	0,05 g
Maximum dimensions of weighing platform	150 x 150 mm
[1) 2)]Settling time (on 1‰ of final value)	< 120 ms
Protection class of the Weigh Cell	IP 69K
Temperature range	+5 ... +40 °C
Power supply nominal	24 VDC, ± 5 %, 0,5 A
[4)]Interface 1	CAN, RS 422, Profibus DP, Ethernet/IP
Interface 2	RS 232
Housing material	Stainless steel AISI 316L

[1)] Depends on the preference settings and on setup and ambient conditions of the system. The absolute repeatability is +/- 3 s
[2)] Weighing time = settling time plus (adjustable) measuring time
[3)] Temperature range: + 10°C...+30°C. Display value with higher resolution
[4)] In separate electronic box with maximum 3 m cable connection



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