EC-ES-FS

HIGH PRECISION WEIGH CELL

PRODUCT INFORMATION



WIPOTEC

WEIGHING TECHNOLOGY

EC-ES-FS HIGH PRECISION WEIGH CELL

PRODUCT INFORMATION

DESCRIPTIONS

The series EC-ES-FS Weigh Cells cover the weighing range up to 7,500 g. They have been specifically designed as compact sensor components, which are suited for installation into Checkweigher. By using GMP-tailored design, all Weigh Cells are especially suitable for Wash Down applications.

The large additive dead load range favors the mounting of conveyor belts or weighing platforms without limiting the weighing range.

The Weigh Cell comes standard equipped to supply final weighing values via a CAN interface as ready to connect modular components.

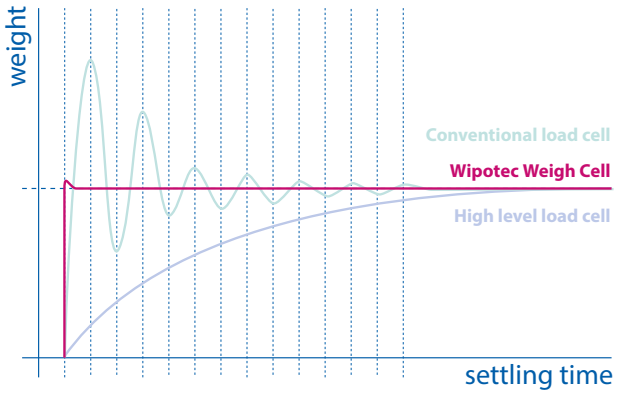
The integrated software filters can be configured in many ways, enabling optimal adaptation of the weighing system to the respective ambient conditions. The Weigh Cells extensive command set facilitates simplified control engineering integration. Complemented by a variety of options, the Weigh Cell can also fulfil very specific requirements.

FEATURES

- Weighing range up to 7,500 g, covered by 2 models
- Additive dead load range up to 15 kg
- Stainless steel housing IP 69K Wash Down
- Interface 1: CAN
- Interface 2: RS 232 for service and configuration
- Sampling rate 1 ms

TO BE USED IN

- Checkweighers
- Wash Down applications
- Special machine manufacturing
- In-Process-Control applications



OPTIONS

- **Option 02:** Forceless connection of electrical aggregates
- **Option 10:** RS 422 instead of CAN interface
- **Option 11:** Bus operation
- **Option 12:** Higher display resolution (standard)

With the optional CFI (CAN Fieldbus Interface) it is possible to connect to a variety of industrial fieldbus systems.
Please see specifications on our website.

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ALL DATA IN SUMMARY

Weigh Cell type	EC 4000-3-ES-FS	EC 4000-2-ES-FS
Weighing range	3,750 g	7,500 g
Electrical adjustable dead load range	12,000 g	15,000 g
Verification scale interval (e)	0.5 g	1 g
[3] Display value (d) with higher resolution (Option)	0.05 g	0.1 g
Linearity ≤	± 0.1 g	± 0.2 g
[1] Repeatability (S) ≤	0.05 g	0.1 g
Maximum dimension of weighing platform	400 x 250 mm	500 x 350 mm
[1] [2] Settling time (on 1‰ of final value)	< 200 ms	
Protection class of the Weigh Cell	IP 69K	
Temperature range	+5 °C to +40 °C	
Power supply	24 V DC +/- 5 %, 0.5 A	
Weight	approx. 12,000 g	
Interface 1	CAN, RS 422	
Interface 2	RS 232	
Fixed cable length	1.7 m	
Housing material	Stainless steel AISI 316L	

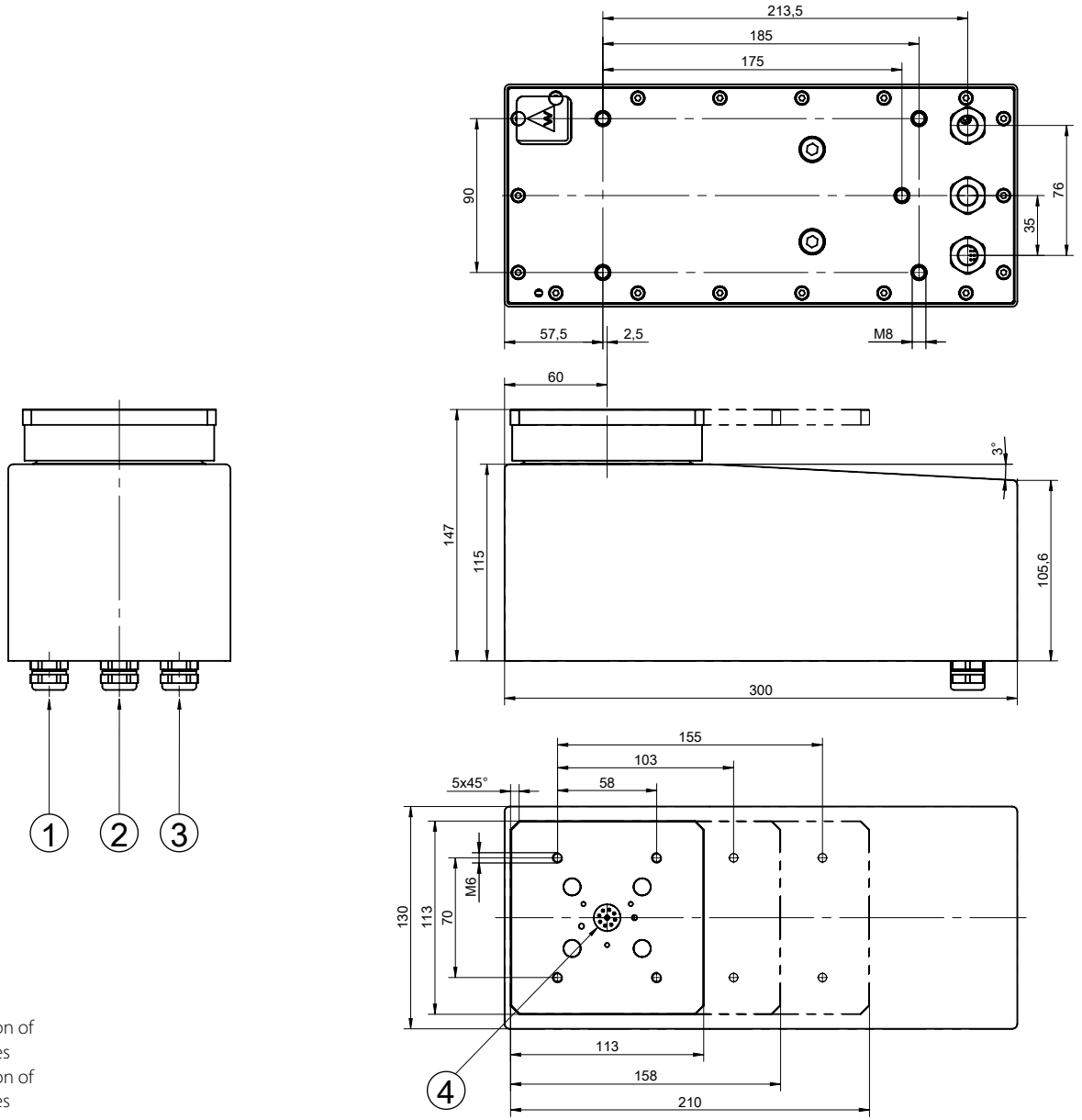
1) Depends on the preference settings and on setup and ambient conditions of the system | The absolute repeatability is +/- 3 s
2) Weighing time = settling time plus (adjustable) measuring time
3) Temperature range: +10 °C to +30 °C

Customer specific variations on request

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DIMENSIONS



1: Interface 1
2: Interface 2
3: Forceless Connection of Electrical Aggregates
4: Forceless Connection of Electrical Aggregates

All measurements in mm

Subject to technical modifications

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