

EMFR weigh cell WZEDP

System components for reliable check weighing



! Benefits

- Versatile weighing and load ranges for inline checkweighing
- Flexible solution for integration into packaging, filling and dosing machines
- High-precision and fast weighing results due to EMFR technology
- Easy integration into your periphery due to different designs and digital interface

The EMFR weigh cell WZEDP enable the integration of dynamic checkweighing into a wide variety of applications and machine types. With these weigh cells you benefit from Minebea Intec's decades of experience in gravimetric weight inspection in checkweighers.

Our solution for integrating the dynamic checkweigher functionality

- ! Optional to the weigh cell, weighing belt, as well as infeed and outfeed belt are available.
- ! On the digital interface, the weigh cell supplies ready filtered weight values up to 2000 values per second.
- ! Weighing ranges of 1kg - 20kg and high additive preloads of 4kg - 40kg allow the realization of a wide range of applications.
- ! Perfectly prepared for dynamic weighing of products by means of integrated measuring algorithms.

Technical specifications

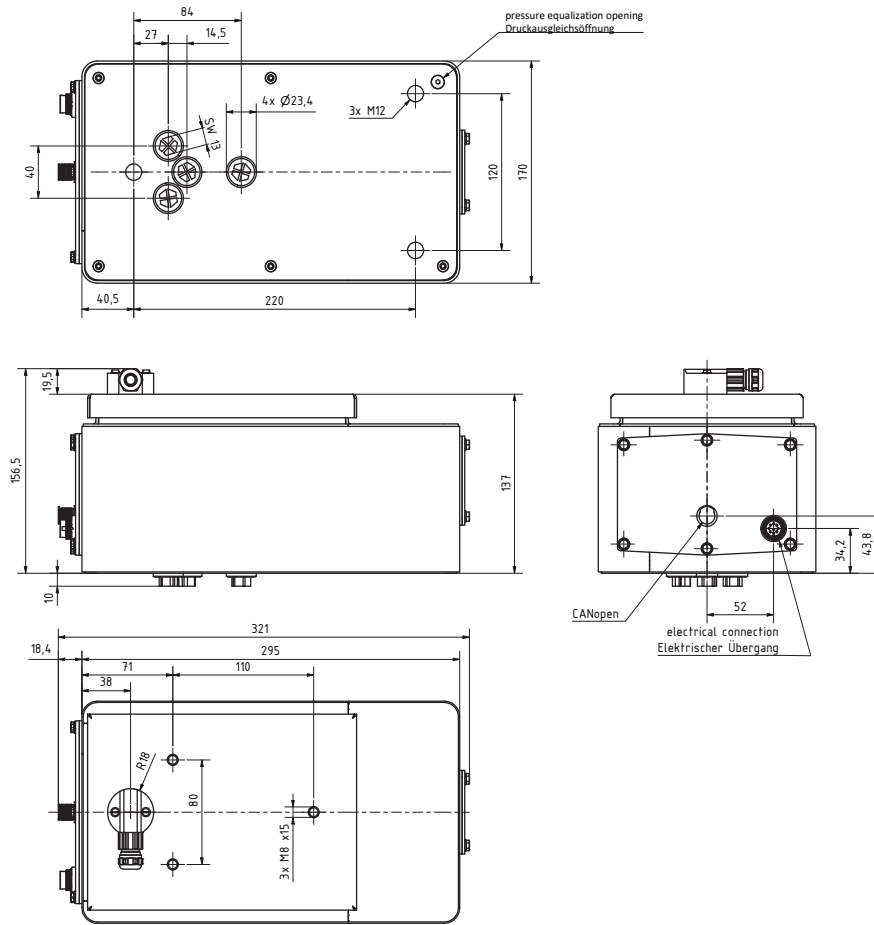
EMFR weigh cells WZEDP					
Weigh cell	WZEDP 1kg	WZEDP 2kg	WZEDP 5kg	WZEDP 10kg	WZEDP 20kg
Measurement range Cn* (g)	0...1000	0...2000	0...5000	0...10000	0... 20000
Preload range (kg)	1.5 – 4.5	4.5 – 17.0	5.0 – 25.0	8.0 – 30.0	18.0 – 40.0
Readability (g)	0.01	0.02	0.05	0.1	0.2
Linearity (g)	± 0.02	± 0.04	± 0.1	± 0.2	± 0.4
Reproducibility	0.01	0.02	0.05	0.1	0.2
Dimensions weighing platform (mm) x (mm)	600 x 300			800 x 600	
Protection class	IP65				
Permissible operating temperature range (°C)	0...+40				
Accuracy zero point (ppm/K*Cn)	20				
Temperature influence on SPAN (ppm/K)	4				
Power supply (V)	24				
Power consumption (VA)	2				
Weight (kg)	10				
Interfaces	CANOpen, 2 digital inputs (optional)				
Housing material	Stainless steel 1.4301				
Material gaskets	Silicone				
Dimensions (mm)	310 x 170 x 160				
Electrical forceless connection (optional)	electrical (3 power lines, 4 signal lines)				
Data output rate (values/s)	max. 2000				
Typical settling time (ms)	from 120				

Ambient conditions	
Power-on temperature (°C)	0...+40
Air humidity (%)	0...85, no condensation (in accordance with IEC 68-2)

* only non legal for trade applications

Technical diagrams

WZEDP



The products and solutions presented in this data sheet make major contributions in the following sectors:



Machinery
(OEM)

The technical data given serves as a product description only and should not be understood as guaranteed properties in the legal sense.

Specifications subject to change without notice
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