

The WZA-SE series



OEM weigh cells

WZA224-ND

Outstanding features:

Based on the WZA-N series this model is optimized for fast weighing results combined with minimized vibration interference. A stable and accurate result is presented within 250 ms

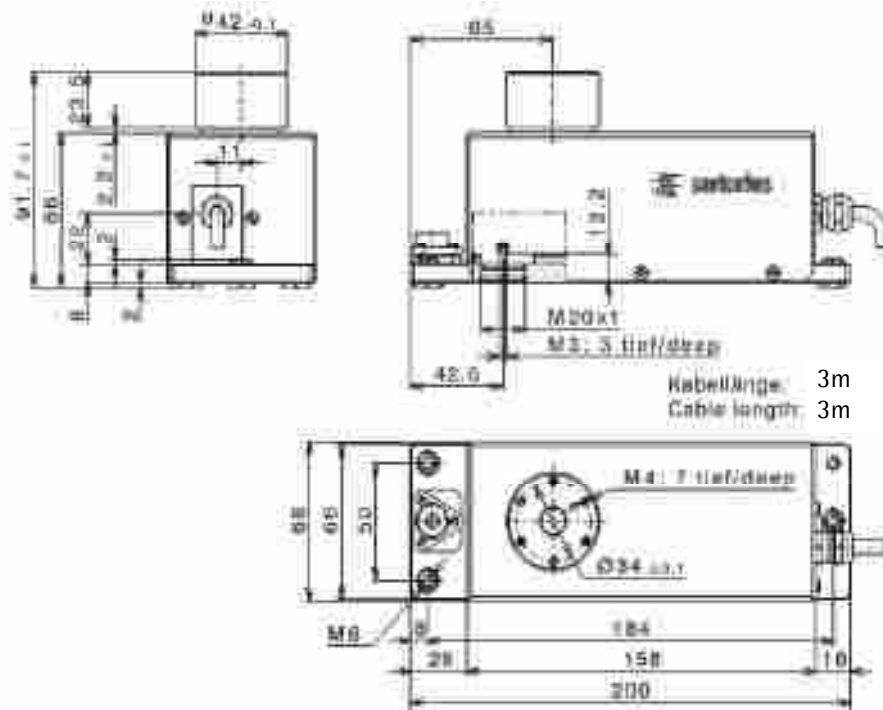
The weigh cell consist of two parts:

- A monolithic weighing system in stainless steel IP44 housing
- Aluminium electronic box, all connection via the front
- Force compensation technology weighing system with a resolution of 0.1 mg
- Excellent weighing technology bundled with easy adaptation
- Adjustable load receptor with overload protection, optional lift-off protection
- Possibility for under floor weighing
- Interconnection on electronic front panel
- LED's to control power and data transfer
- Fast warm-up by separation of weighing system and electronics
- RS232C interface for configuration and data transfer
- Optional PC-software with menu setting and weigh data display functions
- Display can be plugged during operation
- Fast and precise weigh results for process applications

Model WZA...	224-ND
Capacity	220 g
Readability	0.1 mg



WZA224-ND
Dimensions in mm



Technical Data

Model	WZA224-ND
Capacity	220 g
Readability	0.1 mg
Optimal Working point / preload max ¹⁾	175 g / 70 g
Repeatability (standard deviation) ²⁾	± 0.1 mg
Linearity	± 0.2 mg
Measuring time ^{2) 3)}	250 ms / ± 1 mg 0.6 s / ± 0.1 mg
Data output rate	≤ 150 Hz
Operating temperature range	+10 ... +30 °C
Allowable temperature range	+5 ... +40 °C
Weigh cell dimension	68 x 200 x 92 mm (base x height)
Electronic / PCB dimension	130 x 208 x 45 mm (base x height)
Load receptor (adjustable, with overload protection)	42 mm (diameter), 26 mm height above housing
Under floor load receptor	M3 thread
Cable length weigh cell to electronics	3 m
Power supply	TNG11-2 UNI / 6971993, 115/230 V _{AC} , +15 ... - 20%, 48-60 Hz
Power supply (alternative)	12...26, optimal 15V (+15% -10%); 0.5V _{PP} (Peak to Peak)
Power consumption	8 VA (average)
Interface	RS232C , software / hardware handshake; No system power via RS232 connector

Options / Accessories

Windows configuration software for test and adjustment	Sartorius CAS Suite
Weigh pan to realize lift off protection	YWP01WZA

Sartorius Weighing Technology GmbH
Weender Landstrasse 94-108
37075 Goettingen, Germany

Phone +49.551.308.0
Fax : +49.551.308.3502

info.mechatronics@sartorius.com
www.sartorius-mechatronics.com

- 1) the preload can be configured by using the Sartorius CAS Suite software; higher preload will reduce the weighing range
- 2) depending on measurement equipment set-up and conditions;
- 3) measuring time is the time in which the measured value is in the given range around the static end value; test weight is approx. 25% of the weighing range.

Specifications are subject to change without notice.

Current status: July 2011
Version: 2.0