SARTORIUS

High Resolution Load Cells, IP68

OEM weigh cells

WZA25-NC

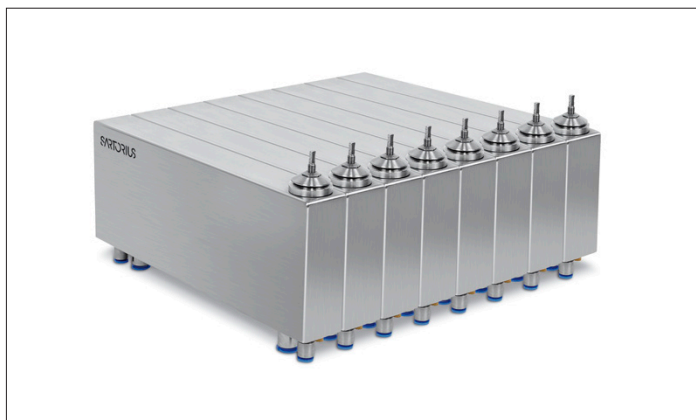| WZA...	25-NC
Capacity	20 g
Readability	0.01 mg

The WZA25-NC has a capacity of 20 g with a readability of 10 µg combined with a small housing. A multiple weighing system can be arranged in linear fashion with a distance of 25 mm between the weighing pins. Head to Head configuration allow 12.5 mm track distance.

The weigh cell consist of two parts:
- A monolithic weighing system in stainless steel IP44 housing
- Improved balance IP68
- Aluminium electronic box, all connection via the front
- Force compensation technology weighing system with a resolution of 0.01 mg
- Internal calibration weight by external control for easy checks in automated environments
- Excellent weighing technology bundled with easy adaptation
- Adjustable load receptor with overload protection and lift-off protection
- 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
- IP68 during wash down | IP 44 during weighing
- With IP68 this weigh cell is well suited for pharmaceutical applications with requirements for Clean-in-place (CIP) and Sterilize-in-Place (SIP).
- Optional PC-software with menu setting, weigh data display and internal calibration functions
- Display can be plugged during operation
- Several units can be combined by parallelization of multiple weigh cells – each every 25 mm.
- Customer housing of multiple weigh cells can fitted easily over the weigh cells.
- Sealing rings on top can be dismounted and refitted after placement of customer housing.

Aluminium electronic box

Technical Data

Model	WZA25-NC
Capacity	20 g
Readability	10 µg
Preload min. [1]	5 g
Repeatability (standard deviation) [2]	≤± 20 µg
Linearity	≤± 50 µg
Measuring time [2] [3]	0.8 s / ±10 µg 400 ms / ± 100 µg 250 ms / ± 1 mg
Operating temperature range	+10 .... +30 °C
Allowable temperature range	+5 .... +40 °C
Weigh cell dimension	24 × 180 × 87 mm (base × height)
Electronic dimension	130 × 208 × 45 mm (base × height)
Pin for weighing pan	load receptor	3 mm Ø / 20 mm above housing, integrated overload and lift off protection
Cable length weigh cell to electronics	3 m
Power supply	YEPS01-15V0H	100 – 240VAC, 50 – 60Hz	15V DC
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
Materials Housing Weighing pin Electronic Box	Stainless steel 1.4404 / AISI316L Titanium Transparently passivated aluminum
IP rating related to DIN EN 60529	IP44	IP68 [4]

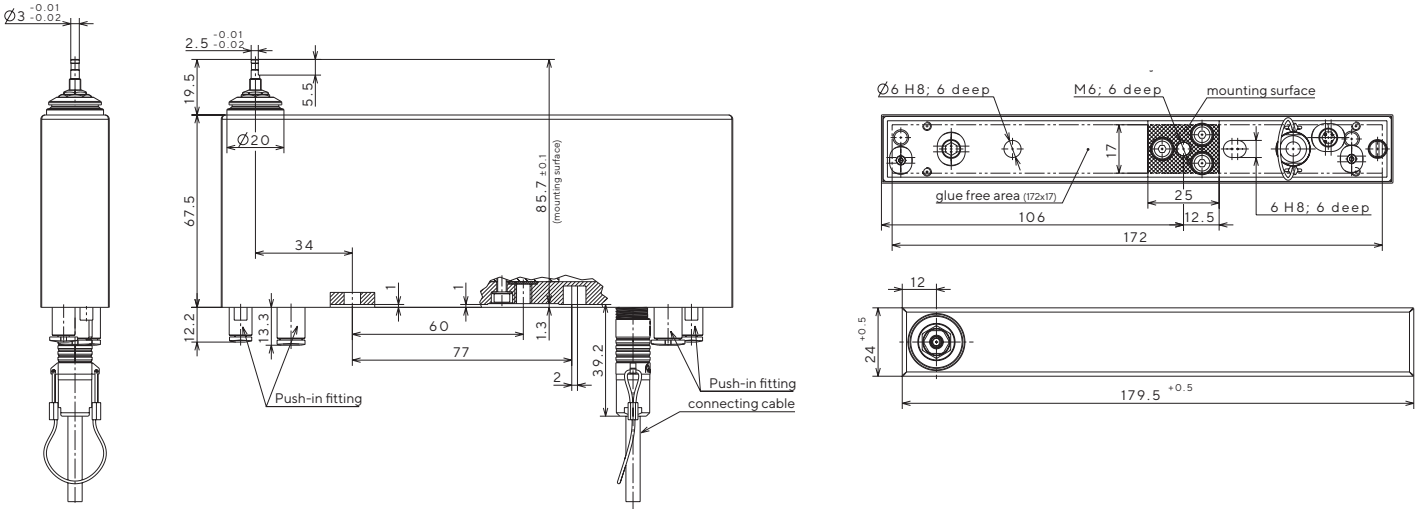| Options | Accessories | |
|---|---|
| Windows configuration software for test and adjustment | Sartorius CAS Suite |
| Liquid-crystal display | YAC01ED |

1) the preload can be configured by using the Sartorius CAS Suite H8S software; higher preload will reduce the weighing range
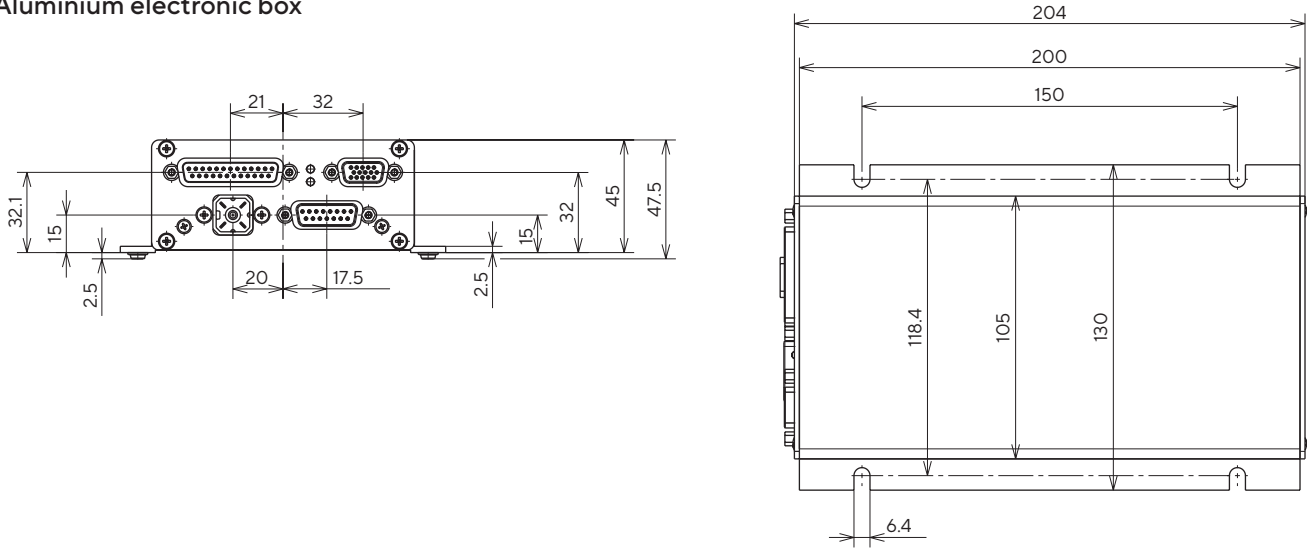2) depending on measurement equipment set-up and conditions;
3) measuring time is the time in which the measured value is in the given range around the static end value; test weight is approx. 25% of the weighing range.
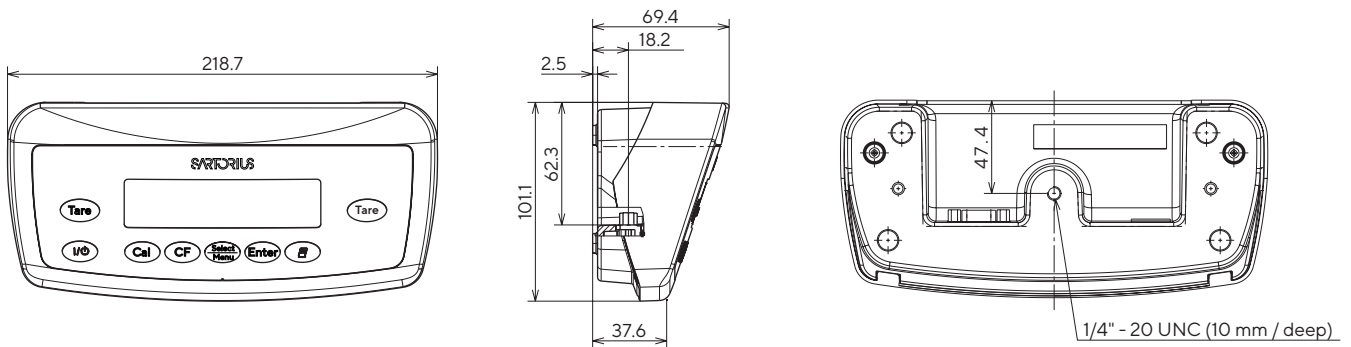4) please refer to application instruction manual

Weigh cell

Aluminium electronic box

Optional YAC01ED Display and Control Unit

1/4" - 20 UNC (10 mm / deep)

Dimensions in mm

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