ProfiLine

OEM weigh cells

WZA224-N
WZA523-N
WZA1203-N

WZA...	224-N	523-N	1203-N
Capacity	220 g	520 g	1200 g
Readability	0.1 mg	1 mg	1 mg

The WZA-N series is the successor of the well established WZA-line. This series focus on weighing resolutions as low as 0.1 mg and capacities of up to 8200 g.
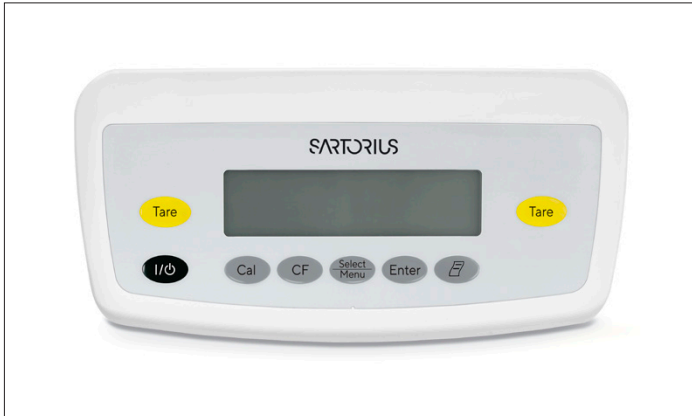
The weigh cell consist of two parts:
- A monolithic weighing system in stainless steel IP44 housing
- Aluminium electronic box, all connection via the front
- Force compensation technology weighing system with a resolution of 0.1 mg
- Excellent weighing technology bundled with easy adaptation
- Adjustable load receptor with overload protection, optional lift-off protection
- Possibility for under floor weighing
- 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 or display to handle weighing data and configuration
- Display can be plugged in and out during operation

Technical Data

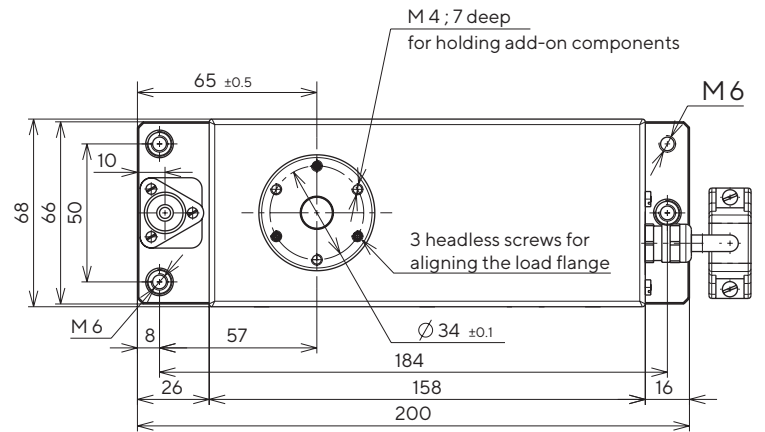

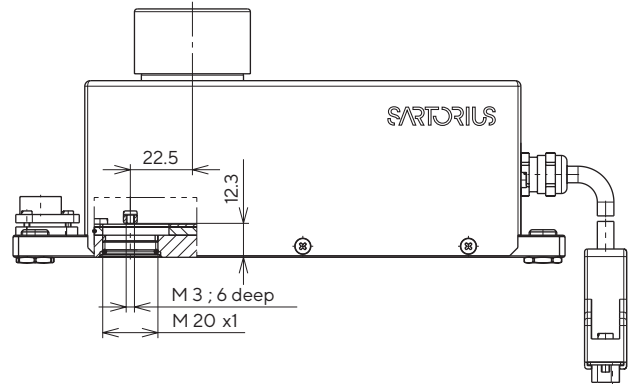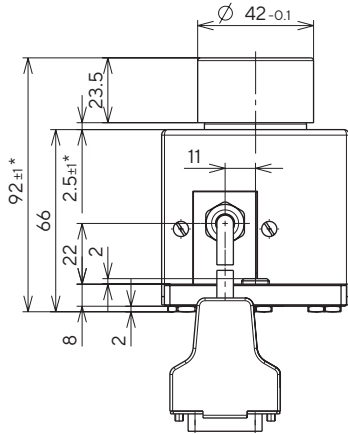Aluminium electronic box

YAC01ED (optional)

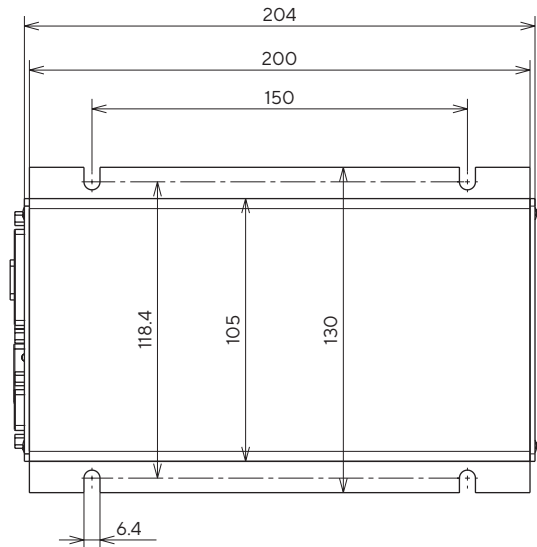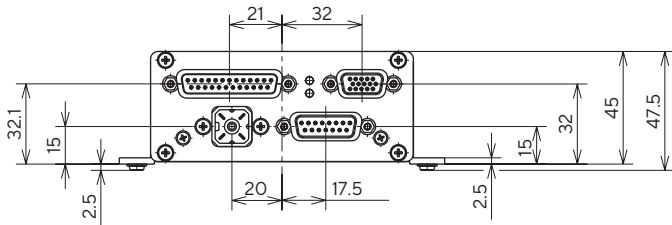| Model	WZA224-N	WZA523-N	WZA1203-N
Capacity	220 g	520 g	1200 g
Readability	0.1 mg	1 mg	1 mg
Preload max. [1]	70 g	50 g	0 g
Repeatability (standard deviation) [2]	≤± 0.1 mg	≤± 1 mg	≤± 1 mg
Linearity	≤± 0.2 mg	≤± 2 mg	≤± 2 mg
Measuring time [2] [3]	0.6 s | ± 0.1 mg	0.6 s | ± 1 mg	0.6 s | ± 1 mg
Operating temperature range	+10 .... +30 °C		
Allowable temperature range	+5 .... +40 °C		
Weigh cell dimension	68 × 200 × 92 mm (base × height)		
Electronic | PCB dimension	130 × 208 × 45 mm (base × 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	YEPS01-15V0H | 100 – 240VAC, 50 – 60Hz | 15V DC		
Power supply (alternative)	12...26, optimal 15V (+15% -10%); 0.5VPP (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
Liquid-crystal display	YAC01ED
Weigh pan to realize lift off protection	YWP01WZA

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.
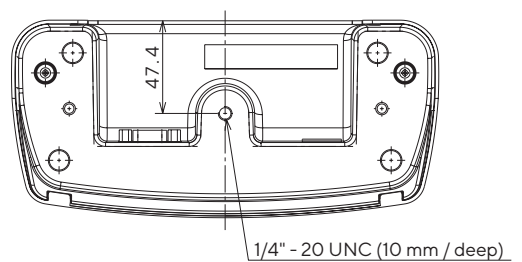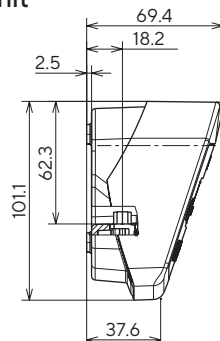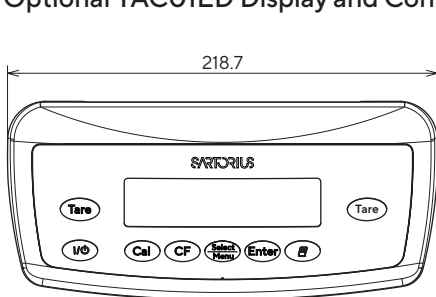
Weigh cell

∅ 42 -0.1

23.5

92 ±1 *

66

2.5±1 *

11

22

2

8

2

22.5

12.3

SARTORIUS

M 3 ; 6 deep
M 20 x1

M 4 ; 7 deep
for holding add-on components

M 6

65 ±0.5

10

68

66

50

3 headless screws for
aligning the load flange

M 6

8

57

∅ 34 ±0.1

184

26

158

16

200

Aluminium electronic box

21

32

32.1

15

2.5

20

17.5

2.5

15

32

45

47.5

204

200

150

118.4

105

130

6.4

Optional YAC01ED Display and Control Unit

218.7

SARTORIUS

Tare

Tare

I/Ö   Cal   CF   Select Menu   Enter   ▤

69.4

18.2

2.5

101.1

62.3

37.6

47.4

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

Dimensions in mm

3

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