

The Basic series

OEM weigh cells



OEM weigh cells

WZA224-L
WZA523-L
WZA8202-L

Outstanding features:

The Basic series focus just on the essentials. Sartorius provides the mechanical and electronic solution. These weighing devices should be integrated by the system provider to overcome the influences of the ambient conditions.

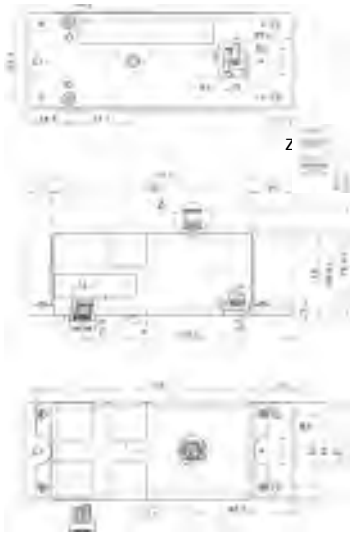
The weigh cell consists of two parts:

- A monolithic weighing system with a protective aluminium housing
- All electronic parts fix to a metal board
- Force compensation technology weighing system with a resolution of 0.1 mg
- Adjustable load receptor with overload protection up to 520g weigh cell
- 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
- Easy adaptation to space requirements
- RS232C interface for configuration and data transfer
- Optional PC-software with menu setting and weigh data display functions

Model WZA...	224-L	523-L	8202-L
Capacity	220 g	520 g	8200 g
Readability	0.1 mg	1 mg	10 mg



WZA224-L/ WZA523-L



WZA8202-L



Electronic board



All dimensions in mm

Technical Data

Model	WZA224-L	WZA523-L	WZA8202-L
Capacity	220 g	520 g	8200 g
Readability	0.1 mg	1 mg	10 mg
Required preload on pan support ¹⁾	10 g	30 g	350 g
Repeatability (standard deviation)	≤± 0.1 mg	≤± 1 mg	≤± 10 mg
Linearity	≤± 0.2 mg	≤± 2 mg	≤± 20 mg
Response time ²⁾	≤ 0.6 s	≤ 0.6 s	≤ 0.6 s
Operating temperature range	+10 ... +30 °C		
Allowable temperature range	+5 ... +40 °C		
Weigh cell dimension	181 x 67 x 73 mm		181 x 67 x 65 mm
Electronic / PCB dimension	208 x 100 x 144 mm		
Cable length weigh cell to electronics	Ribbon cable 0.5 m (maximum length 3 m, could be extend at side)		
Load receptor adjustable + overload protection	12 mm (diameter)		three M4 threads in the load receptor area
Load receptor without overload protection			
Under floor load receptor	M3 thread / underneath		
Power supply (optional)	TNG11-2 UNI / 6971993, 230 or 115 V _{AC} , +15 ... - 20%, 48-60 Hz		
Power supply (alternative)	12...26, optimal 15V (+15% -10%); 0.5V _{PP} (Peak to Peak)		
Power consumption	3.4 W (typical)		
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		

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- 1) the preload can be configured by using the Sartorius CAS Suite software, greater preloads are possible, but reduce the weighing capacity depending on measurement equipment set-up and conditions
- 2)

Specifications are subject to change without notice.

Current status: August 2011
 Version: 1.1