



The WZ-CW series



OEM weigh cells

WZ614-CW

Outstanding features:

Weigh cells with 2 main components:

- A monolithic weigh system, based on electromagnetic force compensation technology
- An encapsulated PCB with the CE mark of conformity

- Monolithic weighing system with a resolution of 0.1 mg
- An adjustable load receptor allows mounting of mechanical user-designed devices on top
- This load receptor includes overload protection, optional lift-off protection
- Internal calibration weight for easy checks in automated environments
- Possibility for under floor weighing
- Fast warm-up by separation of weighing system and electronics
- RS232C interface for configuration, data transfer and internal calibration
- Optional PC-software or display to handle weighing data, configuration and internal calibration

Model WZ... 614-CW

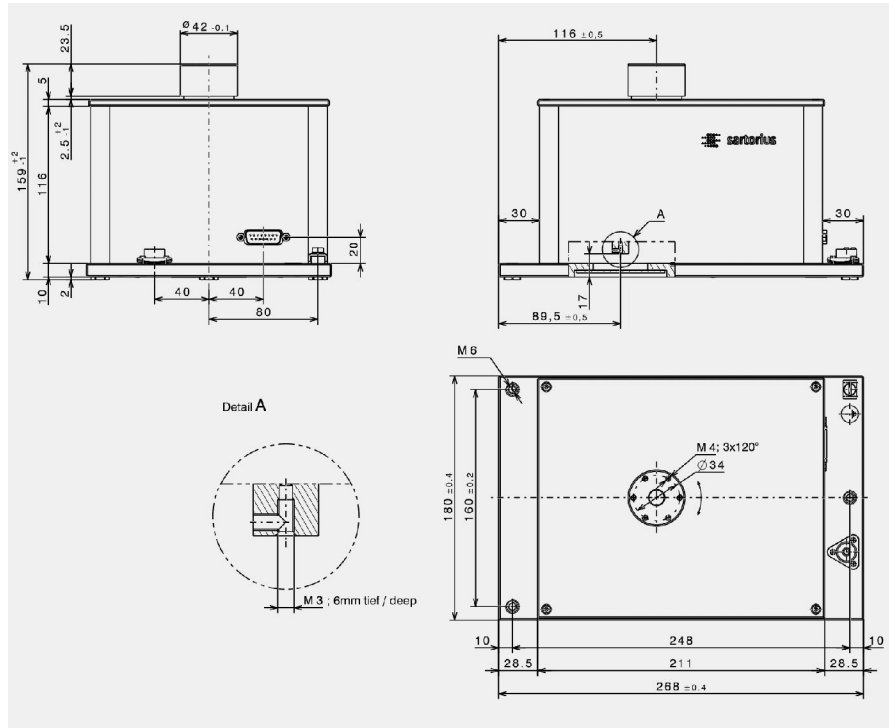
Capacity 610 g

Readability 0.1 mg



WZ614-CW

Dimensions in mm



Technical Data

Model	WZ614-CW
Capacity	610 g
Readability	0.1 mg
Preload ¹⁾	0 g
Repeatability (standard deviation) ²⁾	≤ ± 0.1 mg
Linearity	≤ ± 0.5 mg
Measuring time ²⁾³⁾	2.5 s / ± 0.1 mg
Operating temperature range	+10 ... +30 °C
Allowable temperature range	+5 ... +40 °C
Weigh cell dimension	268 x 180 x 159 mm (base x height)
Electronic / PCB dimension	130 x 204 x 45 mm (base x height)
Load receptor (adjustable, with overload protection)	42 mm (diameter), 26 +2/-1 height above housing
Under floor load receptor	M3 thread
Cable length weigh cell to electronics	1 m
Power supply	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
Options / Accessories	
Windows configuration software for test and adjustment	YAD01IS
Liquid-crystal display	YAC02LP

Sartorius AG
Weender Landstrasse 94-108
37075 Goettingen, Germany

Phone +49.551.308.0
Fax : +49.551.308.3289

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

- 1) the preload can be configured by using the YAD01IS 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: December 2009
Version: 1.0