SVISCISVS

Product Datasheet

The Precision

OEM weigh cells

WZB1403-NC

WZB	1403-NC	with an integrated adjustment weight
Capacity	1400 g	
Readability	1 mg	

Analytical weigh cell focuses on weighing resolution of 1 mg and capacity up to 1400 g. The fully automatic production of the weighing system from an aluminum block significantly reduces possible assembly errors. In addition, the entire weighing system is protected from external influences by an IP44 stainless steel housing.

Highlighted performance features:

- The load cells consist of two parts: The electromagnetic force compensation weighing system and an electronics module.
- Fast control through the integrated adjustment weight



- The load receptor is equipped with over- and underload protection
- Below-balance weighing is possible
- Electronics module with a front plate for all connections
- All connections are bolt connections
- LEDs for power and data transfer
- Fast warm-up time as the electronics is separated from the weighing technology
- Easy to adapt to existing installation options
- RS232 / USB-C interface for configuration and data transfer
- Additional power supply via the RS232 interface
- Configuration software for handling weight data, menu settings and internal calibration functions
- Display unit with operator keypad (optional)

Technical Data



Electronic Module



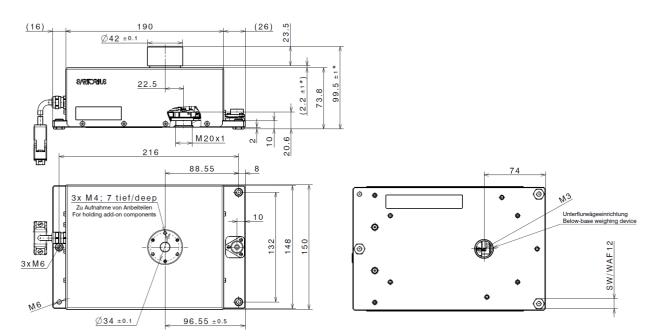
YRD01 Display with control panel (optional)

Model	WZB1403-NC	
Capacity	1400 g	
Readability	1mg	
Preload without weighing range reduction ¹⁾	0 - 100 g	
Repeatability (standard deviation) ²⁾	≤±1mg	
Linearity	≤±2mg	
Response time ²⁾³⁾	≤ 0.6 s / ± 1 mg	
Operating temperature range	+10 +30 °C	
Allowable temperature range	+5 +40 °C	
Weigh cell dimension	150 × 232 × 99 mm (base × height)	
Electronic PCB dimension	105 × 130 × 55 mm (base × height)	
Cable length weigh cell to electronics	3 m	
Load receptor adjustable + overload protection	Ø 42 mm, 26 mm height above housing	
Under floor load receptor	M3 thread	
Power supply	YEPS01-15V0H 100 - 240 VAC, 50 - 60 Hz 15V DC	
Alternative Power supply	12 26, optimal 15 V (+15 % -10 %); 0,5 V _{PP} (Peak to Peak)	
Power consumption	2 W (typical)	
Interface	RS232/USB-C 7-/8-bit; -even, -mark, -odd, - space; transmission speed 600 - 115200 Bauc 1 or 2 Stop bits, Software Hardware handshake Power supply also possible via RS232 connection / Pin 1 / VDC IN 12 - 26V	
Options Accessories		
Windows configuration software for test and adjustment	Sartorius CAS Suite	
Display unit with operator keypad	YRD01	
Connection cable	YCC-D09M-USB-A Data cable (USB-A) > WZB (RS232 / 9-pin / male) / 1,5m	
	YCC-USB-C-A Data cable USB-C > USB-A / 1.5 m	
	YCC-D09MF Data cable RS232 / 9 pin./ male 9 pin. / female / 1,5m	

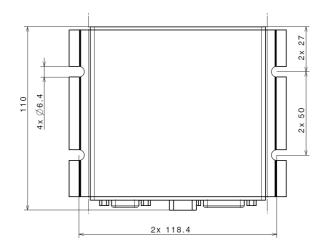
the preload can be configured by using the Sartorius CAS Suite software, greater preloads are possible, but reduce the weighing capacity.
depending on measurement equipment set-up and conditions
measuring time is the time in which the measured value is in the given range around the static

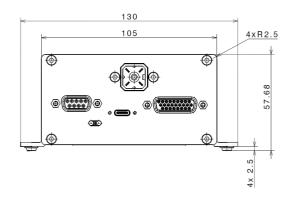
end value; test weight is approx. 25% of the weighing range.

Weigh cell

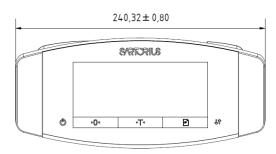


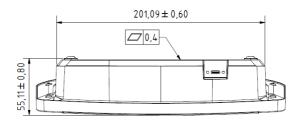
Electronic module

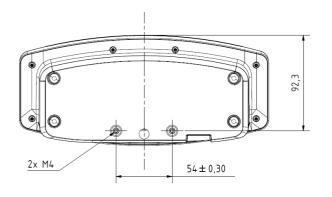




Optional YRD01 Display and Control Unit









Dimensions in mm

Germany

Sartorius Lab Instruments GmbH & Co. KG Otto-Brenner-Straße 20 37079 Göttingen Phone +49 551 308 0

France & Suisse Romande Phone +33170 62 50 00

Toll-free +1 800 635 2906

USA

Finland & Baltics Phone +358 9 755 951 **China** Phone +86 21 6878 2300

Italy Phone +39 0362 5557 11 **Japan** Phone +81 3 6478 5200

U.K. Phone +44 1372 737159 **South Korea** Phone +82 31 622 5700

For further contacts, visit www.sartorius.com