



OEM Weigh Cells

WZG1
WZG2
WZG10
WZG20



Weigh cell featuring electromagnetic force compensation

Model	WZG1	WZG2	WZG10	WZG20
Capacity	1,000 g	2,000 g	10,000 g	20,000 g
Readability	0.01 g	0.02 g	0.1 g	0.2 g

The innovative weigh cells with monolithic weighing systems are based on the principle of electromagnetic force compensation. This very robust technology provides maximum readability in conjunction with utmost precision and shortest reaction time.

Standard outstanding features

- Dead load / preload range 0 ... 40 kg
- Stainless steel housing
- Protection rating according to IP65
- Highly rugged construction
- Integrated high-speed electronics
- Suited for fast processes
- Standard RS232 Interface

Options

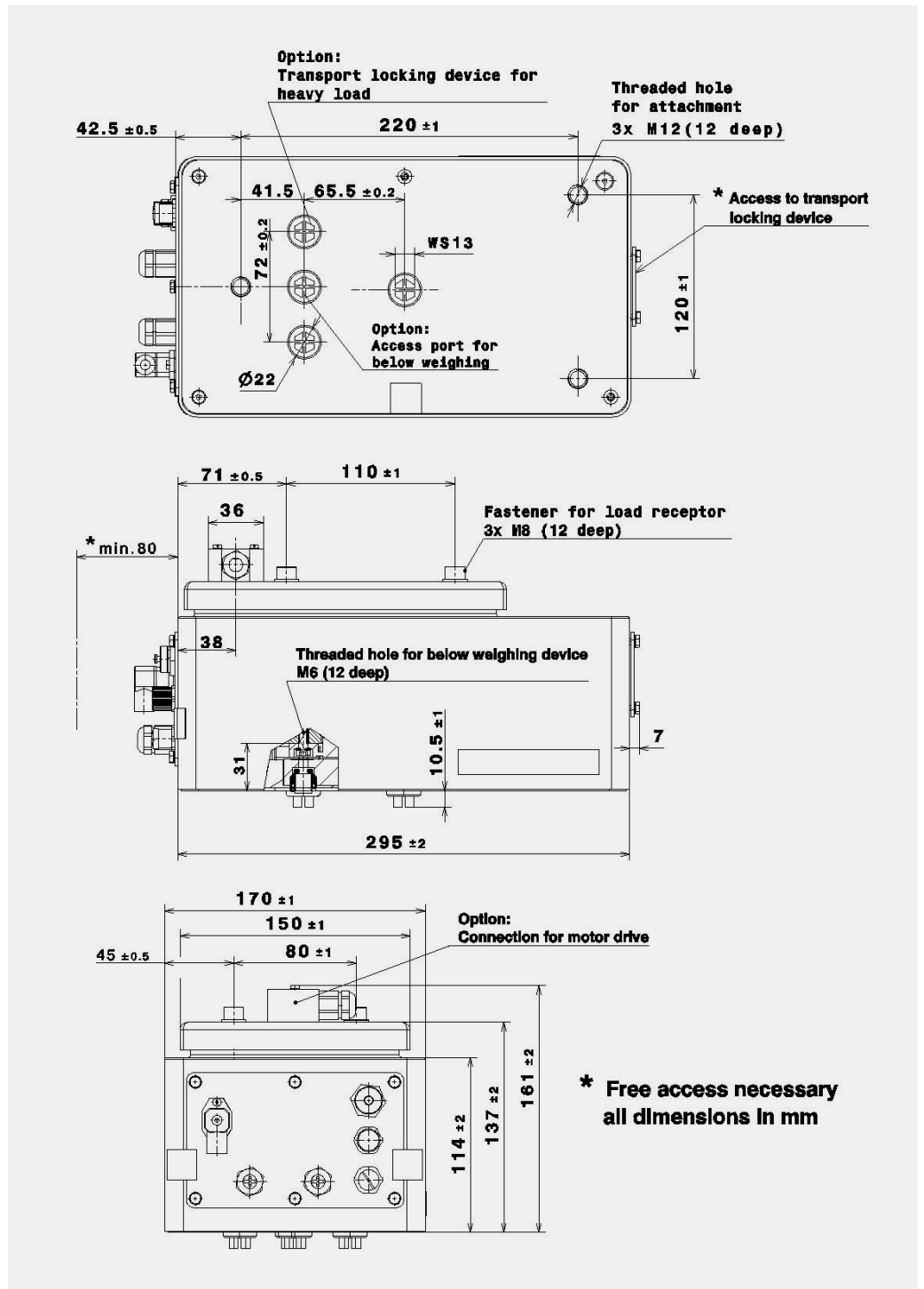
- Force-free electric motor drive connection
- CAN-Bus Interface (CANopen)
- Transport locking device for heavy-weight mounted device
- Below-cell weighing*

* Protection reduced to IP22; not available with transport locking device



OEM Weigh Cells

WZG Series



OEM Weigh Cells

WZG Series

Model		WZG1	WZG2	WZG10	WZG20
Weighing capacity	g	1,000	2,000	10,000	20,000
Preload range	g	0...6,200	0...16,000	0...25,000	0...40,000
Readability	mg	10	20	100	200
Repeatability (standard deviation) ¹⁾	$\leq \pm$ mg	20	40	100	200
Linearity	$\leq \pm$ mg	50	100	200	400
Temp. coefficient	$\leq \pm$	3 ppm / K in operating temperature range			
Response time (for max. load \pm 0.01%) ²⁾	ms	100	100	120	150
Operating temperature range	°C	0...+40			
Allowable ambient temperature	°C	-10...+50			
Weigh cell dimensions (L x W x H)	mm	310 x 170 x 140			
Direct power supply	VDC	15.5 – 24 +/- 10%			
Power consumption	W	max. 34, average 10			
Standard built-in interface A27 with PC-connection cable		RS232C Sartorius xBPI - protocol 9 PIN D-SUB, length 3m			

Options

Optional power supply	ING2	230V or 115V	48...63Hz
Connection for motor drive	Mo2	length of connection cable	3 / 6 / 9m
Transport locking device for heavy weighing platform	TR1		
Below-weighing access	U1	not available with transport locking device TR1	
Built-in interface	A28	CANopen and RS232	
Connection cable CANopen for PC, 9 Pin		On request at www.phoenixcontact.de	

1) depending on installation

2) depending on setting and installation

Standard configuration



Output RS232

Options



Configuration with CANopen and RS232



Resistance-free connection for motor drive

WZG Ordering Information

(Selected example in gray)

WZG - 10 S
 AN2. T10. Mo2. P10. 165. TR0. U0. A27.

Maximum load	
1	1 kg
2	2 kg
10	10 kg
20	20 kg

Preload/Load of weighing platform for model							
WZG1		WZG2		WZG10		WZG20	
T0	0 - 4	T0	0 - 4	T10	0 - 13	T20	0 - 13
T1	4 - 6,2	T1	4 - 6,2	T11	13 - 17	T21	26 - 40
		T2	6,2 - 8	T12	17 - 20		
		T3	8 - 10,2	T13	20 - 25		
		T4	10,2 - 12,2				
		T5	12,2 - 14				
		T6	14 - 16				

Motor drive connection		
Mo0		without
Mo2	P10	with 3m connection cable
Mo2	P11	with 6m connection cable
Mo2	P12	with 9m connection cable

Transport locking device for heavy weighing platform**	
TR0	without
TR1	with

Below - unit weighing	
U0	without
U1	with

Interface	
A27	RS232
A28	RS232 & CANOpen

Define your configuration:

WZG _ S
 AN2. T_. Mo_. P_. 165. TR_. U_. A_.

(**) please notice: options TR1 and U1 cannot be combined !