

● Characteristics

6 - WEIGHING SYSTEM - SOLUTION - VESSEL - SILO - TANK - VEHICLE - SCALE



- Input:	up to 6 strain gauge full bridges (350 Ω)
- Output:	1 strain gauge summing-up signal
- Bridge connection:	4- or 6-wire
- Bridge supply:	internally / out of amplifier
- Supply voltage:	12...30 VDC
- Bridge supply:	10 VDC, 200 mA
- Cascading:	possible
- Connection:	screwed pin and socket, lockable
- Cable entry:	7 screwed cable glands M16x1,5
- Protection:	IP65
- Enclosure:	impact-resistant plastics, diecast aluminium

● Technical data

Input

Strain gauge bridge:	up to 6 full bridges, 350 Ω
Wire:	4- or 6 wire
Configuration:	with solder bridges

Output

Strain gauge:	1 summing-up signal
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Bridge supply (optionally)

Input:	12...30 VDC
Output:	10 VDC 200 mA
Power consumption:	approx. 2 W
Residual ripple:	300 mV

Ambient conditions

Operating temperature:	-20...+60°C
Storing temperature:	-20...+70°C

● Applications

The summing-up box is for use in ranges, where load and force measuring with several measuring points has to be done with just one measuring amplifier, eg in container terminals, silo works or overhead cranes. Due to the robust design it is suitable for nearly all applications.

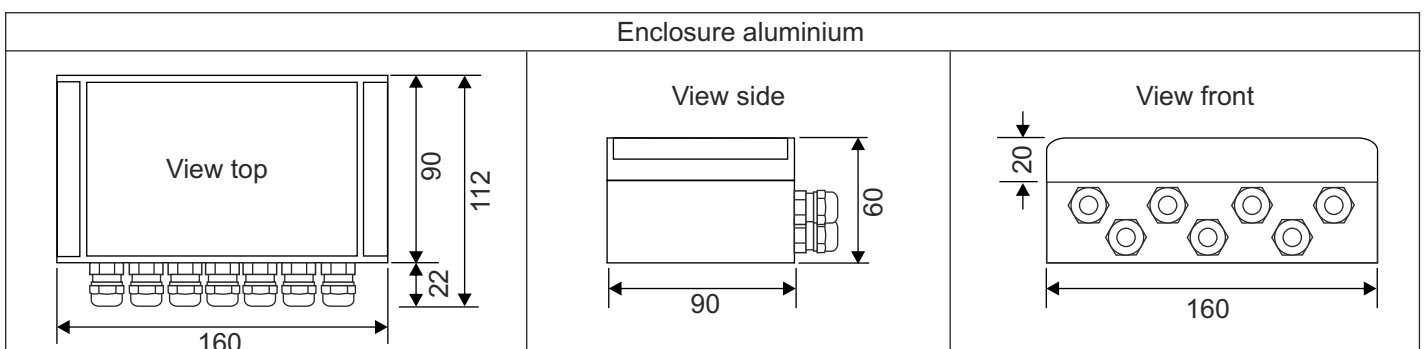
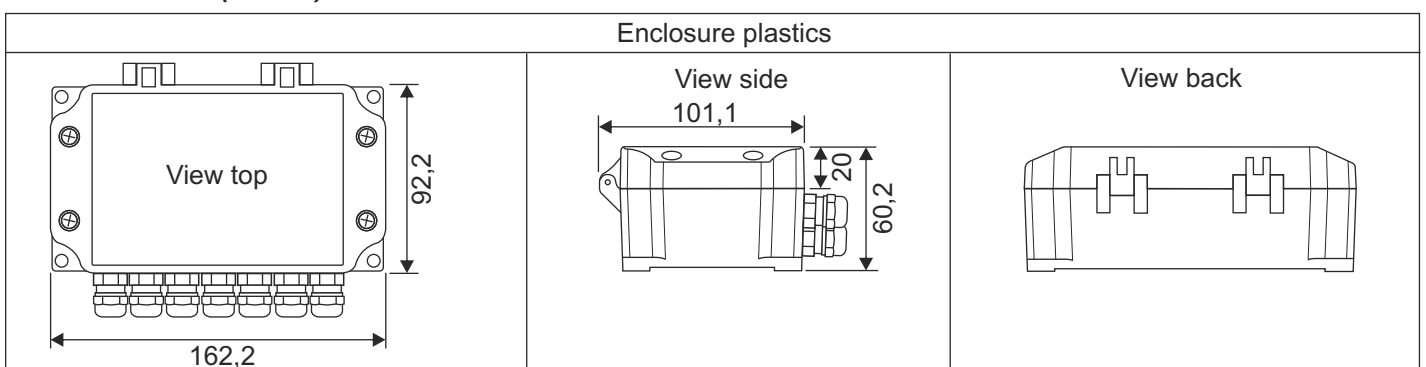


● **Technical data (continued)**

Mechanics

Enclosure aluminium:	Type:	aluCase AC 092 with clip-on design covers
	Dimensions:	160 x 90 x 60 mm
	Material:	die-cast aluminium
	Mounting:	covered screw channels
	Colour:	RAL 9006 (aluminium white)
	Weight:	approx. 850g (with options)
	Cable entry:	7 screwed cable glands M16x1,5 (metal)
Enclosure plastics:	Type:	U-CASE 2
	Dimensions:	162,2 x 92,2 (101,1) x 60,2 mm
	Material:	ASA 757G Luran S
	Mounting:	4 mounting holes
	Colour:	black
	Weight:	approx. 450 g (with options)
	Cable entry:	7 screwed cable glands M16x1,5 (plastics)
	Protective insulation:	according VDE100
Degree of protection:	IP 65	
Connection:	multipole pin and socket connector, lockable, up to 1,5 mm ² (MC 1,5/7-STF-3,81)	

● **Dimensions (in mm)**



● Connection

Strain gauge bridge 1	⊥	-	+	-	+	-	+	<i>In1</i>	
	1	2	3	4	5	6	7		
Shield Sensing Supply Signal									
Strain gauge bridge 2	⊥	-	+	-	+	-	+	<i>In2</i>	
	1	2	3	4	5	6	7		
Shield Sensing Supply Signal									
Strain gauge bridge 3	⊥	-	+	-	+	-	+	<i>In3</i>	
	1	2	3	4	5	6	7		
Shield Sensing Supply Signal									
Strain gauge bridge 4	⊥	-	+	-	+	-	+	<i>In4</i>	
	1	2	3	4	5	6	7		
Shield Sensing Supply Signal									
Strain gauge bridge 5	⊥	-	+	-	+	-	+	<i>In5</i>	
	1	2	3	4	5	6	7		
Shield Sensing Supply Signal									
Strain gauge bridge 6	⊥	-	+	-	+	-	+	<i>In6</i>	
	1	2	3	4	5	6	7		
Shield Sensing Supply Signal									
Strain gauge summing-up signal	⊥	-	+	-	+	-	+	<i>Out</i>	
	1	2	3	4	5	6	7		
Shield Sensing Supply Signal									
External bridge supply	+	-							<i>Ext. Sensor Supply 11,5...33VDC</i>
	8	9							
DC Input									

● **Order code**

S	D	X	X	X	X	X	X	-	X	X	X
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Input:	6 strain gauge full bridges	0									
Output:	1 strain gauge summing-up signal	0									
Connection:	Pin and socket connector via scewed cable gland	0									
Bridge supply:	Without						0				
	With						1				
Enclosure:	Aluminium 160x90x60									X	
	Plastics 162x92x60									2	
	Plastics 162x92x60 with EMC coating									3	
Other:	special model										0