

Characteristics

3 - WEIGHING SYSTEM - SOLUTION - VESSEL - SILO - TANK - VEHEICLE - SCALE



- Input:	2 strain gauge full bridges (350 ohms)
- Input sensitivity:	0,1...5 mV/V
- Sensor supply:	5 VDC
- Analogue output:	4...20 mA / 0...10 V
- Digital output:	2 interface RS232
- Data format:	ASCII
- Voltage supply:	internal accumulator / external supply
- Resolution:	12 / 14 / 15 / 16 bit
- Combined error:	0,2% of end scale value
- Degree of protection:	IP 54
- Supplied with:	connection plugs / battery charger

Technical data

Input

Amplifier 1 / 2:	1 strain gauge full bridge (350 ohms)
Sensitivity:	0,1...5 mV/V (programmable)
Interface:	RS232 (for programming)

Output

Analogue:	each amplifier 2 outputs (programmable) 0...10 V and 4...20 mA (standard) optionally 2...10 V or 0...20 mA
Current:	working resistance <500 Ohm
Voltage:	load resistor > 600 Ohm
Interface:	1x RS232 (each amplifier) data format: ASCII (can be read out with any terminal program)
Sensor supply:	5 VDC 30 mA maximum (each amplifier)

Indication

Display:	microprocessor based multifunction indicator with backlighting (to switch on)
Function:	4 keys for programming
Indication:	current values / minimum/maximum values / diagnostic values

Adjustment

Interface:	RS232 with programming software
Keys:	4 keys of display module
Tare:	key on display PCB
Measuring rate:	10 ms...5 s (programmable)
Filter:	10 ms...5 s (programmable)

Accuracy

Resolution:	12 / 14 / 15 / 16 bit
at measuring rate:	128 / 32 / 16 / 8 per second
Combined error:	+/- 0,2% of end scale value
Temperature coeff.:	<50 ppm/K

Applications

The mobile measuring amplifier is suitable to check function of load / force measuring cells in existing installations (eg measuring of differences). The serial interfaces supply data for recording the whole measurements.



● *Technical data (continued)*

Power supply

Voltage:	Accumulator pack: 6 round cells R6 (NiMH)
Capacity:	7,2 V 2 Ah
Power consumption:	approx. 1 W
Battery charger:	Input: 230 VAC Output: 12 V / 300 mA

Ambient conditions

Operating temperature:	-10...+60°C
Storing temperature:	-20...+70°C

Mechanics

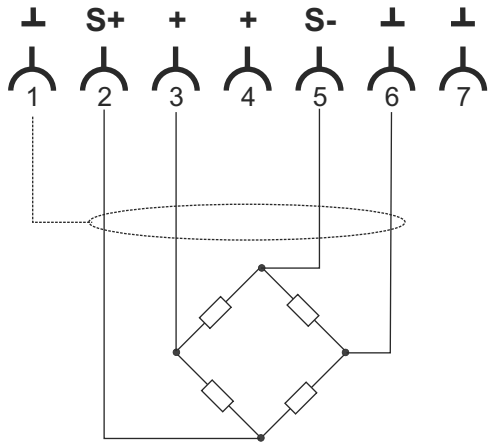
Enclosure:	mobilCase 181 x 138 x 32/38 mm
Material:	extruded aluminium profile
Colour:	silver anodised
Degree of protection:	IP 54
Weight:	approx.900 g (with accumulator)
Connection:	2x strain gauge: Binder 723 series, 7-pole, panel jack,(09 0128 99 07) Analog output: 1x Binder 723 series, 8-pole, panel jack (09 174 90 08) RS232 output: 2x SUB-D jack 9-pole charging plug: pin ø2,1 mm

Accessories

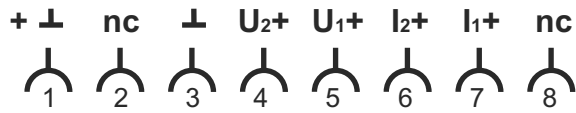
Protection kit:	2 TPE covering caps with adjustable shoulder strap (Option)
Connection plugs:	2 Binder 423 series 7-pole, 1 Binder 423 series 8-pole (supplied with device)
Battery charger for internal accumulator (supplied with device)	
V24 connection cable with software (Option)	

● **Connection**

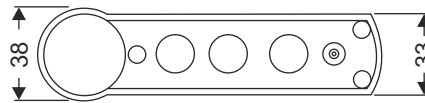
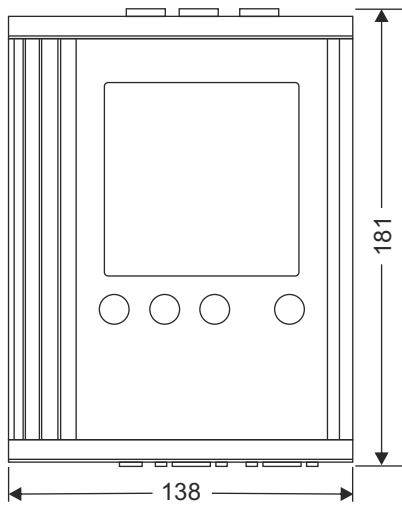
strain gauge input 1 and 2



analogue outputs



● **Dimensions (in mm)**



● **Order code**

D	M	X	X	X	X	X	X	-	X	X	X
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Model:	With 2 amplifier, battery charger, 3 plugs	0									
Voltage supply:	Accumulator 2 Ah	0									
Interface:	RS232	0									
Display:	With		1								
Enclosure:	Mobil Case 181 x 138 x 33/38 mm					0					
	Mobil Case with wall unit, hinged					1					
Configuration:	Factory settings ¹⁾								0		
	Customized (to specify) ²⁾								1		
Other:	Special model (to specify)										0

- 1) Factory-set: sensitivity: 3 mV/V / analogue output: 0...10 V and 4...20 mA / resolution: 16 bit / measuring rate: 5/s / filter: 1s
- 2) Possible options are within the limits of technical data. In case of not given values the details of factory configuration are used.

Accessories:	
V24 programming cable, software	Order No.:
Protection Kit	Order No.: