# **WEA-Base**

## User manual for load cell transmitters



1



## Contents

1.	Technical data				
2.	Assembly	4			
	2.1 Power supply	4			
	2.2 Load cells	4			
	2.3 RS-485	4			
	2.4 Relays	5			
	2.5 Digital input	5			
	2.6 Analogue output	5			
	2.7 WEA-Base-OP1 - External display	5			
	2.8 WEA-Base-OP2 - External display	6			
3.	Parameters set-up	7			
	3.1 Operation	7			
	3.2 Calibration	7			
	3.2.1 Theoretical calibration	7			
	3.2.2 Deadweight calibration	7			
4.	Calibration parameters	8			
	4.1 Deadweight calibration	10			
	4.2 Theoretical calibration	11			
	4.3 Analogue output	14			
	4.4 Communication	16			
	4.4.1 Setting RS485 communication	16			
	4.5 Function	18			
	4.5.1 Set-up of transmitter functions	18			
	4.6 Diagnostics	19			
	4.6.1 Diagnostics Parameters	19			
5.	Parameters menu	22			
6.	PCB overview	23			
	6.1 I/O list	23			
	6.1.1 Digital outputs	23			

2

## 1. Technical data

Technical data:	
Resolution	24 bit
Conversion Rate	600 Hz
Full Range	± 6 mV/V
Total number of load cells	Max. 12 x 350 ohm
Load cell channels	4
Linearity	<0.01% of full scale
Calibration	Data sheet or deadweight calibration
Power supply:	
Voltage	24 VDC ± 10% or 100-240 AC, 50/60 Hz
Power consumption	5 W
Isolation	1000 V
Analogue output:	
Туре	Isolated 16 bit
Voltage / load	0-10 V, 2-10 V / >10000 ohm
Current / load	0-20 mA, 4-20 mA / <500 ohm - Active output
Digital IO:	
Digital input	2 x 24 VDC / 6 mA
Relay output	2 x NO - Max 250 VAC+VDC / 100 mA
Communication interface:	
Serial port	1 x RS485
USB	1 x Device 2.0
Mechanical data:	
Operating temperature	-10 °C to +60 °C
Storage temperature	-30 °C to +80 °C
Ingress Protection Rating	IP 66
Dimensions (H x W x D)	220 x 122 x 80 mm
Options:	
WEA-Base-RF (H x W x D)	WEA-Base in stainless steel (AISI 316) case. (250 x 210 x 80 mm)
WEA-Base-OP1 (H x W x D)	External display in stainless steel display IP65 - Red 75 mm digits (L716 x H250 x D100 mm)
WEA-Base-OP2 (H x W x D)	External display in stainless steel display IP65 - Red 57 mm digits (365 x 130 x 82 mm)



## 2. Assembly

#### 2.1 Power supply

Connect 230 VAC to terminal J13 phase (L1), neutral (N) and earth (PE).

Connect 24 VDC to terminal J14 plus(+) minus(-).

If both supplies are connected, the amplifier automatically selects only one of them. If one of the supplies is switched off, the amplifier automatically switches over to the other supply.

#### 2.2 Load cells

Connect the load cells to terminals from J6 channel 1(CH1), to J11-channel 4(CH4), in the same order. When connecting more than four load cells, the load cells must be distributed equally on each channel. For example, with the use of six load cells, connect the load cells in pairs to CH1+2+3.

Power supply (±EXC), signal (±SIG) and sensor (±SEN). When connecting load cells with four conductors, a jumper must be fitted between +supply (+EXC) and +sensor (+SEN), and a jumper must be fitted between –supply (-EXC) and –sensor (-SEN).



**NB:** Shield **must** be terminated in the adapter.

Status for each load cell channel, CH1 to CH4, is shown on LEDs above the individual channel:

- Green: channel in use, and no errors detected in channel.
- Flashing Green: channel in use, and error detected in channel.
- Off: Channel not in use

**2.3 RS-485** Fit connection to terminal J2 for RS-485 communication - A & B





- 2.4 Relays
- Fit connection to terminal J5 for 2 x relays O1 & O2





Fit connection to terminal J4 for 2 x digital inputs - I1 & I2 The inputs are 24 VDC compatible.



Digital In

#### 2.6 Analogue output

Fit connection to terminal J12 for 1 x analogue output. Connect current output between IO and GND. Connect voltage output between VO and GND.

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NB: The analogue output is ACTIVE.
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**2.7 WEA-Base-OP1 - External display** Connect display to RS485 terminal J2. See section 4.5.1 Set-up of transmitter functions.

**NB:** Shield must be terminated in the adapter.



2.8 WEA-Base-OP2 - External displayConnect display to RS485 terminal J2.See section 4.5.1 Set-up of transmitter functions.

**NB:** Shield must be terminated in the adapter.



### 3. Parameters set-up

#### 3.1 Operation

To navigate the parameters menu (see "5 Parameters menu"), use push button S1 and joystick SW1.

• Push button S1: Back [Escape]

**2** Joystick SW1: SW1 is shown with the following symbols:





To access the parameters menu, press [Enter].

To exit the menu, press [Escape], until the display flashes "SAVE".

To save changes, press [Enter].

To exit without saving changes, press [Escape] twice.

"SAVE" will not be displayed if the parameters are unchanged.

NB: Analogue and digital outputs are inactive when parameters are being set up

- 3.2 Calibration
- 3.2.1 Theoretical calibration

Enter load cell data from the data sheet. Calibration is calculated in the load cell amplifier, based on the data entered.

#### 3.2.2 Deadweight calibration

The scale is loaded with a known weight. It is recommended, that the known weight is at least 70 % of the scale capacity. Once the deadweight calibration is complete, the theoretical values are updated in the load cell amplifier. The theoretical values can be used to transfer the calibration from one load cell amplifier to another.

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## 4. Calibration parameters

Parameters	Default	Operation		Display	Options
Total number of	One channel	Press [Enter] twice for menu 1.1	$(= \stackrel{\widehat{\blacksquare}}{\underset{=}{\textcircled{\blacksquare}}} \Rightarrow$	REA ERE	
channels			$(= \bigoplus_{i=1}^{\widehat{\mathbb{T}}} = )$	aae haa	
		Press [Enter]	$(= \bigoplus_{i=1}^{\widehat{\mathbb{T}}} = )$	E H. 8. 8 8 8.	
		Move SW1 to [Up] or [Down]. Select the desired number of channels.	÷ ∎ ∎	<b>EHEHE</b> Example: Four channels	1,2,3 or 4
Load cell capacity	100 kg	Press [Enter] twice.		IER EFB	
			$(= \bigcirc \\ + \\ +$	I.I.E HRA	
		Move SW1 to [Down], for menu 1.2.	(= <mark> 0</mark>  ⇒	1.2.E E.E.R	
		Press [Enter]	$\stackrel{\widehat{\blacksquare}}{\models} \stackrel{\widehat{\blacksquare}}{=} \stackrel{\widehat{\blacksquare}}{=}$	008000	
		Navigate to the desired digit by moving SW1 to [Right] or [Left].	<b>←</b> □ ↓		
		Set the value by moving SW1 to [Up] or [Down]. Repeat this and the previous procedure for all of the other digits that must be set.	⊨ ∎ ∎	Example: 1000 kg	
Resolution	0.1 kg	Press [Enter] twice.	(=)	1.E.A. E. B	
			$(= \bigoplus_{i=1}^{\widehat{\square}} (=)$	I.I.E HRA	
		Move SW1 to [Down] for menu 1.3.	(= <mark> 0</mark>  ⇒	8.3.8 E S 8.	
		Press [Enter]	$(= \bigcirc 1 ) = 0$	8. 8. 8. 8. 8. <b>8. 8</b> . 8	
		Set the value by moving SW1 to [Up] or [Down].	⇒ ∎ ∎	<b>Example: 0.5</b> .	0.001, 0.002, 0.005, 0.01, 0.02, 0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10, 20 and 50

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Parameters	Default	Operation		Display	Options
The scale's capacity	100.0 kg	Press [Enter]	$\stackrel{\oplus}{\stackrel{\oplus}{\overset{\oplus}{\overset{\oplus}{\overset{\oplus}{\overset{\oplus}{\overset{\oplus}{\overset{\oplus}{$	IER EF 6	
		Press [Enter]	$\stackrel{(+)}{=}\stackrel{(+)}{=}\stackrel{(+)}{=}$	I.I.E. HAA	
		Move SW1 to [Down] for menu 1.4.	(=]0] ■	8.4.6 R 8.8.	
		Press [Enter]	$\stackrel{\widehat{\blacksquare}}{\mathrel{\leftarrow}} \stackrel{\widehat{\blacksquare}}{\underset{\underset{\underset{\underset{\underset{\underset{\underset{\underset{\underset{\underset{\underset{\underset{\underset{\underset{\underset{\underset{\underset$	00000000	
		Navigate to the desired digit by moving SW1 to [Right] or [Left].	<b>≠</b> ■		
		Set the value by moving SW1 to [Up] or [Down]. Repeat this and the previous procedure for all of the other digits that must be set.			
Filter	5	Press [Enter]		iere ere	
		Press [Enter]	$\stackrel{(=)}{\underset{=}{\overset{(=)}{($	I.I.E. HAA	
		Move SW1 to [Down] for menu 1.5.	(= <mark>0</mark> ]⇒	1.5.F	
		Press [Enter]	$\stackrel{\widehat{\blacksquare}}{=} \stackrel{\widehat{\blacksquare}}{=} \stackrel{\widehat{\blacksquare}}{=}$	E.B.E. 8.8.3	
		Set the value by moving SW1 to [Up] or [Down].	÷ ∎ ∎	<b>F B E</b> . <b>B B S S S S S S S S S S</b>	1 = Min. filtering 10 = Max. filtering



#### 4.1 Deadweight calibration

Deadweight calibration can be done as a zero point calibration or/and as a point calibration.

Parameters	Default	Operation		Display	Options
Zero point calibration		Press [Enter]		8.68 888	
		Press [Enter]		eee haa	
		Move SW1 to [Down] for menu 1.6.	(= <mark> 0</mark>  =) ■	4.6.8 E R 8	
		Press [Enter]	$= \underbrace{ \begin{bmatrix} 1 \\ 0 \end{bmatrix} }_{\downarrow} $	8.6.8.8 B P.O.	
		Press [Enter]	Ť.		
		The display flashes, while the calibration is being executed.	( <b>■●</b> ) ↓		
		Press [Enter] when the scale is empty.	$= \underbrace{ \begin{bmatrix} 1 \\ 0 \\ 0 \end{bmatrix} }_{\downarrow} $		
		Continue to "Point calibration or save the setting. Press S1 [Escape] to "SAVE".	D	8.6.9.880	
			O	3.5.8 E R 8	
			O	REALERS	
Point calibration		Press [Enter]		8.E8 E86	
Calibration with a known		Press [Enter]		ele hra	
weight		Move SW1 to [Down] for menu 1.6.	(= <mark>0</mark> =) ■	8.6.8 E R 8	
		Press [Enter]		8.6.8.880	
		Move SW1 to [Down] for menu 1.6.2 "Point calibration"	(=] ● ●	8.6.2.8.8.8	
		Press [Enter]		000 00.0	

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Parameters	Default	Operation		Display	Options
		Place a known weight on the scale. NB: It is recommended, that the known weight is at least 70 % of the scale's capacity.			
		Navigate to the desired digit by moving SW1 to [Right] or [Left].			
		Set the value by moving SW1 to [Up] or [Down]. Repeat this and the previous procedure for all of the other digits that must be set.	(= <mark>0</mark> =) ∎	<b>Example:</b> 8110 kg	
		Press [Enter] to confirm.		0.8330.0	
		Press [Enter] to confirm the known load is placed on the weight. The display shows DONE for 2 seconds if the calibration is accepted.	$(- \bigotimes_{i=1}^{n+1} + )$	ERE BR.S	
		Press S1 [Escape] to "SAVE".		8. <b>6</b> .2. 8.8.8	
				9.6.8 E R 8	
			O	REA ERB	
			O	BSRUEB	

#### 4.2 Theoretical calibration

Only active load cell channels can be selected. The values in "Theoretical calibration" are updated automatically after a "Deadweight calibration" and can be used as a backup or to transfer a calibration from one transmitter to another.

Parameters	Default	Operation	Display	Options
<b>Channel</b> (theoretical	0mV/V	Press [Enter]		
zero point)		Press [Enter]	💼 - 2.25 HRA	
		Move SW1 to [Down] for menu 1.7. "Theoretical zero point".		
		Press [Enter]	- <u>1112</u> EF	



Press [Enter]		8. <b>E</b> H 8.8.8.	
Set the desired channel by moving SW1 to [Up] or [Down].	(= <mark> 0</mark>  ⇒	8. <b>E</b> H 48.8.	1,2,3 or 4.
Press [Enter]	$(= \underbrace{\textcircled{1}}_{i=1}^{+})$	000 00.0	

Parameters	Default	Operation		Display	Options
		Enter zero point mV/V. The zero-point is calculated on the basis of the load cell's capacity, described in the data sheet. Navigate to the desired digit by moving SW1 to [Right] or [Left].	+ □ ↓		
		Set the value by moving SW1 to [Up] or [Down]. Repeat this and the previous procedure for all of the other digits that must be set.	⊨ <mark>0</mark> ⇒ ∓		
Parameters	Default	Operation		Display	Options

<b>Channel</b> (theoretical	2 mV/V	Press [Enter]		AERERB
amplifica- tion)		Press [Enter]		RRE HRA
		Move SW1 to [Down] for menu 1.7.	(± (1) (1) (1) (1) (1) (1) (1) (1)	RRE HEB
		Press [Enter]	$\stackrel{}{=}\stackrel{}{=}\stackrel{}{=}$	8.3.8.2EF
		Move SW1 to [Down] for menu 1.7.2.		8.3.2. SPR
		Press [Enter]		8. <b>E</b> H 8.8.
		Set the desired channel by moving SW1 to [Up] or [Down].	<b>≜</b> ■	8.EH.H.8.8.
		Press [Enter]		000000
		Enter load-cell amplification from data sheet. Navigate to the desired digit by moving SW1 to [Right] or [Left].	<b>+</b> ↓	



Set the value by moving SW1 to [Up] or [Down]. Repeat this and the previous procedure for all of the other digits that must be set.





#### 4.3 Analogue output

Parameters	Default	Operation		Display	Options
Set analogue	4-20 mA	Press [Enter]	$(= \bigcirc \\ + \\ +$	1.E.A. E 6	
output type		Move SW1 to [Down] for menu 2.		2.3 A. 6 U E.	
		Press [Enter]		2.3.0 636	
		Press [Enter]	$\stackrel{}{\leftarrow} \stackrel{}{\underbrace{\bullet}} \Rightarrow \qquad \qquad$	4-2 ONA	
		Set analogue output type by moving SW1 to [Up] or [Down].	⇒ ∎ ∎	Example: 2-10 V	0-20 mA, 4-20 mA, 0-10 V, 2- 10 V
Adjusting low		Press [Enter]		IER EFB	
<b>analogue value</b> The value		Move SW1 to [Down] for menu 2.		2.8 A. 6 U E.	
changes automatica		Press [Enter]	$\stackrel{}{=}\stackrel{}{\overset{}{=}}\stackrel{}{=}$		
analogue output		Move SW1 to [Down] for menu 2.2.		2.2.8 8.8.8.	
type is set.		Press [Enter]	$\stackrel{\mathbb{T}}{\models} \stackrel{\mathbb{T}}{=} \stackrel{\mathbb{T}}{=} \stackrel{\mathbb{T}}{\Rightarrow}$	00000.0	0 - 65535
		Navigate to the desired digit by moving SW1 to [Right] or [Left].	<b>≠</b> <b>○ →</b>		
		Set the value by moving SW1 to [Up] or [Down]. Repeat this and the previous procedure for all of the other digits that must be set.	÷ ∎ ∎		

**NB:** The analogue signal is active in this menu point.



Parameters	Default	Operation		Display	Options
Adjusting high		Press [Enter]		HEA LAB	
<b>analogue value</b> The value		Move SW1 to [Down] for menu 2.	(=] ■ ■	2. 3 A. 8 U E.	
changes automati-		Press [Enter]			
the analogue		Move SW1 to [Down] for menu 2.3.	(=] ■ ■	2.3.H R G H	
output type is set.		Press [Enter]		000 00.0	0 - 65535
		Navigate to the desired digit by moving SW1 to [Right] or [Left].	<b>≠</b> <b>○ →</b>		
		Set the value by moving SW1 to [Up] or [Down]. Repeat this and the previous procedure for all of the other digits that must be set.	(= <u>0</u> ) ↓		

**NB:** The analogue signal is active in this menu point.

#### 4.4 Communication

#### 4.4.1 Setting RS485 communication

Parameters	Default	Operation		Display	Options
Set protocol		Press [Enter]		HER ERB	
		Move SW1 to [Down] for menu 3.	(=] ■ ■	3.8.6.878.	
		Press [Enter]	$\stackrel{}{=}\stackrel{}{=}\stackrel{}{=}$	3. A.A. 6 8 E.	
		Press [Enter]	$\stackrel{}{=}\stackrel{}{\underbrace{}}{=}$	BRSEBB	
		Set the value by moving SW1 to [Up] or [Down].	(=]0]⇒		ASCII, MK485, External display
External display		The scale transmits to remote display.		E.88 5 P.8	
WEA-BASE- OP1.	Press [Enter]		3.2.6 AU 8		
	Press [Enter]	$\stackrel{\widehat{\blacksquare}}{=} \stackrel{\widehat{\blacksquare}}{=} \stackrel{\widehat{\blacksquare}}{=}$			
	Navigate to the desired digit by moving SW1 to [Right] or [Left]. Set the value by moving SW1 to [Up] or [Down]. Repeat this and the previous procedure for all of the other digits that must be set.		889600		
		<ul> <li>Set WEA-Base baud rate: 9600</li> </ul>			
		<ul> <li>Set the address on the external display: "A" or "L" (Address settings are not valid for WEA-Base-OP2).</li> </ul>			
		Only baud rate setting is applied to external display WEA-BASE- OP2.			

Parameters	Default	Operation		Display	Options
Set Baud rate	115200	Press [Enter]		HER EF 6	
		Move SW1 to [Down] for menu 3.	(=] ■ ■	3.8.E 8.A.8.	
		Press [Enter]		3.3.0 686	
		Move SW1 to [Down] for menu 3.2.	(=] ■ ■	3.2.6 AU 8	
		Press [Enter]	$\stackrel{\widehat{\blacksquare}}{\models} \stackrel{\widehat{\blacksquare}}{=} \stackrel{\widehat{\blacksquare}}{=}$	885 200	
		Set the value by moving SW1 to [Up] or [Down].	⊨ <mark>0</mark> ⇒ ∓		2400, 4800, 9600, 19200, 57600 & 115200.
Set address	1	Press [Enter]		HER EF 6	
		Move SW1 to [Down] for menu 3.	(=] ■ ■	3.8E 878	
		Press [Enter]		3.3. <b>0</b> 8 8 8	
		Move SW1 to [Down] for menu 3.3.	(= <mark>0</mark> ]⇒	3.3.A 8.A.8.	
		Press [Enter]	$\stackrel{\mathbb{T}}{\models} \stackrel{\mathbb{T}}{=} \stackrel{\mathbb{T}}{=$	000000.0	
		Navigate to the desired digit by moving SW1 to [Right] or [Left].	<b>≠</b> ↓		
		Set the value by moving SW1 to [Up] or [Down]. Repeat this and the previous procedure for all of the other	( ∎ ∎		1-255

digits that must be set.

4.5 Function

#### 4.5.1 Set-up of transmitter functions

Parameters	Default	Operation		Display	Options
Set "Mode"	Trans- mitter	Press [Enter]		HER ERB	
		Move SW1 to [Down] for menu 4.	(=] ■ ■	4.8.E. U.A.E.	
		Press [Enter]		ч.ңп әде	
		Press [Enter]			
		Set the value by moving SW1 to [Up] or [Down].	(⊐ (0) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	EFRASE	trans, remote
		<ul> <li>Transmitter: IO (Input/Output) is controlled by the load-cell amplifier.</li> <li>Analogue output is set as a function of the weight.</li> <li>Input 1 can be used for external tareing, where up to ±2% of the scale's capacity can tare.</li> <li>Output 1 is set, if an error is detected on one of the load cell channels.</li> </ul>		ErRn58	
		<ul> <li>Remote control, IO (Input/Output) is controlled by/via RS485/USB</li> <li>IO is controlled via bus</li> <li>If there has been no communication for at least 30 seconds, the analogue and digital outputs are reset.</li> </ul>		r E N o E E	



#### 4.6 Diagnostics

Status of inputs and outputs, and general information about the load cell amplifier.

#### 4.6.1 Diagnostics Parameters

Parameters	Default	Operation		Display	Options
Informa- tion		Press [Enter]		IER EF B	
		Move SW1 to [Down] for menu 5.	(= <mark> 0 </mark> =)	5.888886	
		Press [Enter]		5. <del>1</del> . 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.	
		Press [Enter] for submenu.			
Firmware version.		Current firmware version.		5.8.8. <del>8</del> 8 8 8	
Program counter		Number of times data has been saved in flash memory.		5. 1.2. F L R	
Runtime		Uptime since the last power interruption.		5. 8. <del>3</del> . A U A	
Serial number				5.8.4.5.8.8	
Informa- tion from		Press [Enter]		HER EF B	
analogue inputs		Move SW1 to [Down] for menu 5.		5.8 <i>8</i> 8 8 6	
		Move SW1 to [Down] for menu 5.2.	(= <mark> 0</mark>  ) ■	5.2.8 R.8 A	
		Press [Enter]		UEB GHE	
Weight data		Depends on how the transmitter is set up.		UEB GHE	
		Press [Down] on SW1, to the desired sub-menu.	(⊂ (0) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1		
		Actual weight from the calibrated scale.		URE UEB.	
		Actual divisor from the scale.		Rau Ree	
		Actual mV/V from the scale.		<b>A U.U</b> 8.8.8.	

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Parameters	Default	Operation		Display		Options
		Actual sample rate from the scale.		5.F.R	E.E.B.	
Data from analogue input				8.E H.	88.8.	
channel 1		CH1.		URE.	8 E. 8.	
		Actual divisor from load-cell(s) on CH1.		88.8	888.	
		Actual mV/V from load cell(s) on CH1.			8.8.8.	
		Actual sample rate from the scale(s) on CH1		5.88	8.8.8.	
		The same settings are used for channels 2. 3. and 4.				
Tempera- ture from		Temperature.		8.E.E.	888	
WEA-Base		Actual temperature with WEA- Base.		HAE	8. E. 8.	
		Add value.		888	<b>88</b> 8.	
		Actual sample rate for temperature.		5 R	E.E.B.	
Information: Digital IO		Press [Enter]	$\left( = \begin{bmatrix} 1 \\ 0 \\ 0 \end{bmatrix} \right)$	H.E.R	886	
(Input/ Output)		Move SW1 to [Down] for menu 5.	(= <mark>0</mark> =) ■	5.8.8	RRG.	
		Move SW1 to [Down] for menu 5.3.	(= <mark>0</mark> =) ₽	5.3.8.	888	
		Press [Enter]	$(= \fbox{\textcircled{0}})$			
		See number of digital inputs.		5.3.8.	888	
		See and set number of digital inputs.		5.3.2.	886	



Parameters	Default	Operation		Display	Options
Reset WEA-Base		Press [Enter]	$\stackrel{\widehat{\blacksquare}}{\mathrel{\vdash}} \rightarrow$	EER EBB	
parameter for default settings.		Move SW1 to [Down] for menu 5.	(= <mark>]0]</mark> ⇒ ₽	5.88 <b>886</b>	
		Press [Enter]	$\stackrel{}{=} \underbrace{}_{\downarrow}^{} \Rightarrow$		
		Move SW1 to [Down] for menu 5.4.	(=] ■ ■	5.4.8 E F R	
		Press [Enter] to set parameter values to the default.	$\stackrel{\widehat{\blacksquare}}{\models} \stackrel{\widehat{\blacksquare}}{=} \stackrel{\widehat{\blacksquare}}{=}$		
Restart WEA-Base		Press [Enter]		HER ERB	
		Move SW1 to [Down] for menu 5.	(= <mark>]0]</mark> ⇒ ■	5.8 <i>8</i> ,886	
		Press [Enter]	$\stackrel{}{=} \underbrace{}_{\downarrow}^{} \Rightarrow$		
		Move SW1 to [Down] for menu 5.5.	$\stackrel{\widehat{\blacksquare}}{\models} \stackrel{\widehat{\blacksquare}}{\clubsuit} \stackrel{\textcircled{\blacksquare}}{\clubsuit}$	5.5.6 o o E	
		Press [Enter] to restart WEA- Base.	$\stackrel{\widehat{\blacksquare}}{=} \stackrel{\widehat{\blacksquare}}{=} \stackrel{=}{=}$	rEboot	
NB: Changed v	alues in the	parameter list are not saved.			

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## 5. Parameters menu





## 6. PCB overview



#### 6.1 I/O list

#### 6.1.1 Digital outputs

No.	Module terminal	Tag no.	Potential	Description
1	J5-01		Potential free	Relay output 1 – Transmitter Mode $\rightarrow$ Active with error detection
2	J5_02		Potential free	Relay output 2

#### 6.1.2 Digital Inputs

No.	Terminal	Tag no.	Potential	Description
1	J4-I1+/-		24 VDC	Digital input 1 - Transmitter Mode $ ightarrow$ External zero calibration (MAX 2 %)
2	J4-I2+/-		24 VDC	Digital input 2

#### 6.1.3 Analogue output

No.	Terminal	Tag no.	Potential	Description
1	J13 -		0-10V	Analogue output 1 - Transmitter Mode $ ightarrow$ Output is set as a function of
	VO+		2-10V	the scale.
	IO+		0-20mA	
	/ GND		4-20mA	

#### 6.1.4 Load cell input

No.	Terminal	Tag no.	Potential	Description
1	J6 - CH1		6mV/V	Load cell, channel 1
2	J9 - CH2		6mV/V	Load cell, channel 2
3	J10 - CH3		6mV/V	Load cell, channel 3
4	J11 - CH4		6mV/V	Load cell, channel 4





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