

Instruction Manual for Rail Weight Tra nsmitter TDA-08C

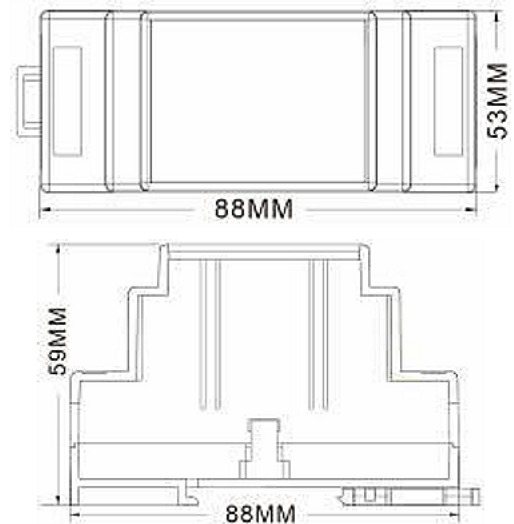


Suzhou Ouluda Intelligent Technology Co., Ltd.

1、Technical Specifications:

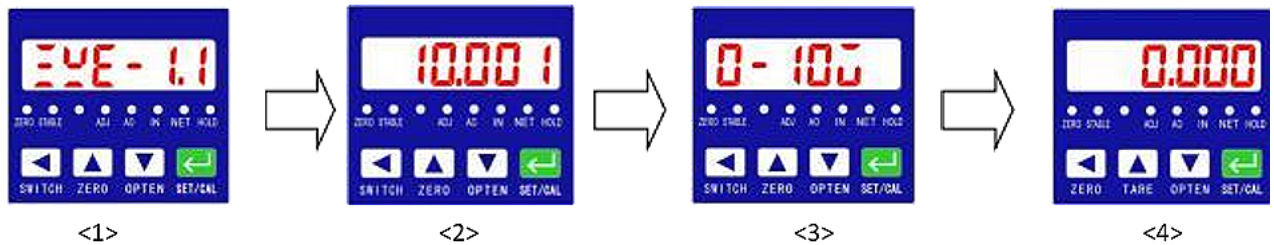
Supply voltage	DC: 10~30V
Input sensitivity	0.4~3.9 mV/V
Display window	One red seven-segment display, 7 status indicator lights.
Excitation voltage	DC: 5V $\pm$ 2%, 100mA (up to 6 x 350-ohm sensors)
A/D performance	24 Bit, Delta-Sigma Method
Display accuracy	$\pm$ 1/10000
AD rate	1040, 640, 1280 times/second
Analog output	Four output options available: $\sim$ 5V, 0~10V, 0~20mA, 4~20mA.
Analog precision	0.05% FS;
Operating temperature	-10~60 $^{\circ}$ C
Input control	1 Road transistor input (zeroing, peel-off switchable).

2– Enclosure block diagram



3– Boot screen description, display panel description, and terminal wiring description:

3.1, Power-on Boot Sequence :



3.1.1 , <1>:Program version number;

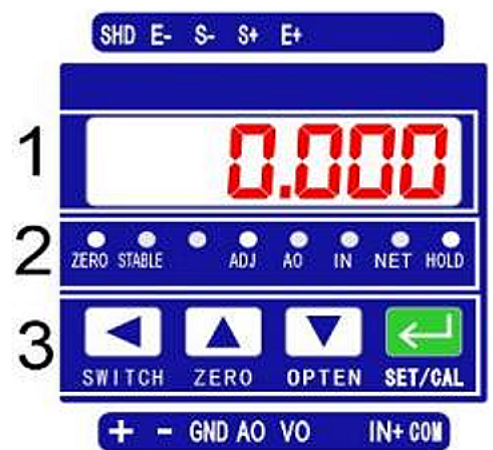
<2>:Decimal point position,Weighing and sensitivity; <3>:Analog output type and range

<4>:Zero display

3.1.2, <2> and <3>'s displayed values depend on the corresponding setting values.

3.2– Terminal Block and Display Panel Description

上排端子	SHD	E-	S-	S+	E+		
	传感器屏蔽线	传感器激励负	传感器信号负	传感器信号正	传感器激励正		
下排端子	+	-	GND	AO	VO	IN+	COM
	电源输入正	电源输入负	信号输出地	电流输出线	电压输出端	输入控制信号	输入公共端



Serial number	Name	description
1	Display window	In measurement mode, it can display gross weight, net weight, peak hold value, stable hold value, and dynamic average hold value.
2	Indicator light	ZERO: Lights up at mis-weigh; STABLE: Lights up when stable ADJ: Calibration indicator light–this light flashes when entering the quick calibration procedure. AO: Analog setting indicator light–this light flashes when entering the quick setup for analog parameters. NET: Net weight display ; HOLD: Work instruction light for temporary hold
3	Button	1Data input shift key; 2 – The function settings return to the previous menu and save the setting values upon exit. 1Zero-setting function; 2Enter the calibration program via a shortcut key; 3Data input keys, enter 0-9; 4, switch the selection items when setting functions;

1, data entry key–enter 9~0;

2, Switch between selection options when setting up functions;

3, shortcut keys for analog setting ;

1, click to enter feature settings;

2, enter the next-level menu for function settings ;

4、Error Code Display and Description:

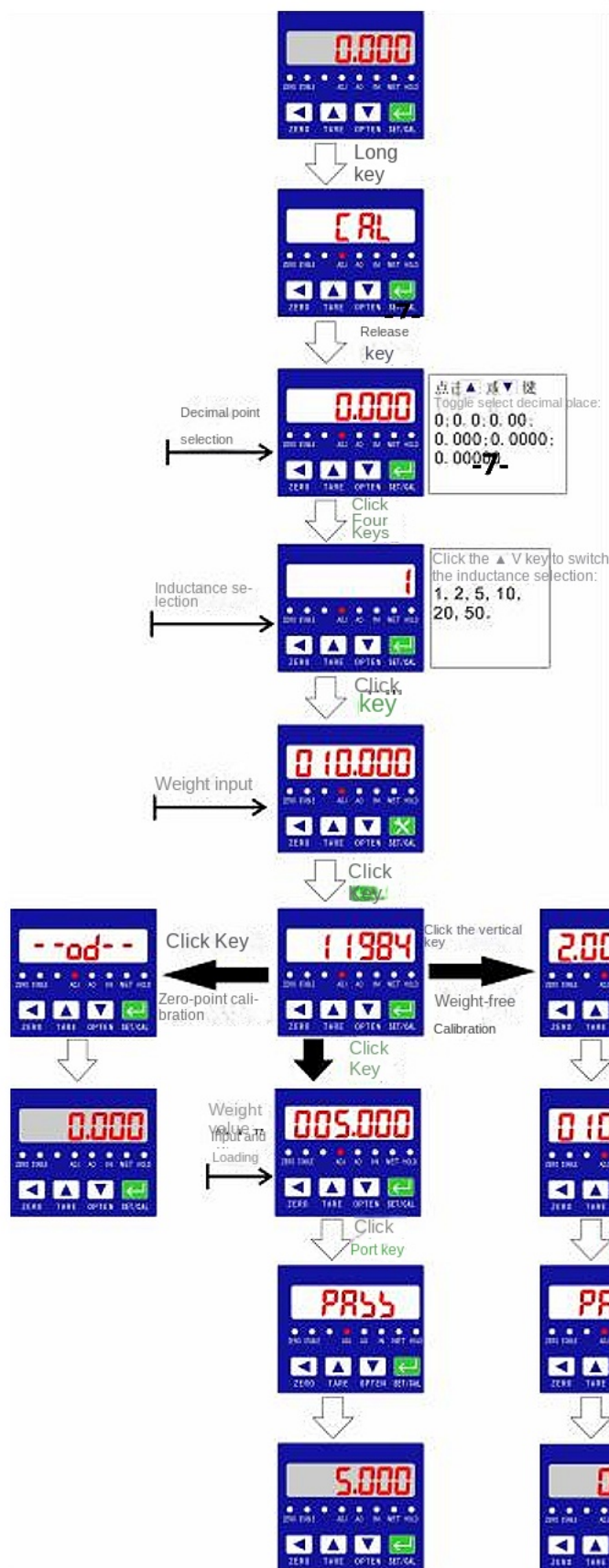
Serial number	Name	describe statement	Solution
1	ERR1	Password incorrect	Please enter the correct password.
2	ERR-HH	The weight of the object on the scale exceeds the maximum weighing capacity.	1Confirm whether the maximum weighing setting is correct. 2Confirm whether the sensor is damaged. 3Check whether the sensor wiring is abnormal.
3	ERR-20	The scale shows that the weight of the object on the platform exceeds the limit.	1Check whether the weighing platform is interfering with anything. 2Is there any abnormal object on the weighing platform? 3Are the parameter settings and weight calibration correct? 4Confirm the zero-point range for power-on.
4	ERR-21	The weight value exceeds the limit when manually resetting to zero.	1Confirm the manual zeroing range.
5	ERR-30	Data is unstable.	1Confirm whether the sensor is damaged. 2Check whether the weighing platform is obstructed.
6	ERR-AD	ADC chip anomaly	ADC chip failure
7	-----	It keeps displaying ----- during the boot-up process.	EEPROM data storage chip failure
8	ERR-MV	Sensor wiring abnormal.	1Check whether the sensor wiring is abnormal.
9	ERR MV		2Confirm whether the sensor is damaged.

5• Rapid execution of the calibration procedure:

Long press back key, wait for to appear



Release the Return key to enter the calibration program. At this point, the ADJ indicator light will flash. After exiting the calibration program, the ADJ indicator light will turn off.



1. Data input:

Click to perform shift operation on data; Single key to perform 0~9 data input; Click key to perform 9~0 data input.

2. Decimal point selection:

0, 0.0, 0.00, 0.000, 0.0000, 0.00000

3. Selection of inductance:

1, 2, 5, 10, 20, 50.

4. Weight-free calibration:

In the zero point display interface, click the key to enter
No weight calibration procedure, the input sensitivity and nominal weighing of the sensor shall be input according to the parameters provided by the manufacturer.

5. Zero calibration:

If only the product is calibrated at the zero point display interface, will display --od--.
Return to the weighing mode and complete the zero calibration.

6- Quick analog signal setup:

※ When entering the analog setting, please select a multimeter with appropriate accuracy and connect the analog output terminals to the multimeter. Then, choose...

Select the correct gear and measurement mode.

Press and hold the key until 4-2R appears, then release
Extinction.



1, Data Input :

- <1>, click the key to restore the default values.
- <2>, click the key to display data plus 1,
- Long press the key to display continuous data addition.
- <3>, click the key to display data reduction 1,
- Long press the key to display continuously decreasing data.

2. Zero and full-scale calibration of analog signal without the need for weights. <1>, : Normally, only in the range of 4~20mA

- At that time, the zero point needs to be calibrated; other modules...
- The formula does not require any input values.
- <2>, Analog maximum value calibration,
- After modifying the working mode, if the output...
- Deviation between the analog value and the required value is relatively large.
- Large-click the key to restore the data.
- The initial value for the corresponding mode.

3、Modelquantityoutputverificationandadjustment:

- <1>, OperationSimulationVerificationProcedureWeightValue
- Display alternately with the correction value
- <2>, place an object of the appropriate weight onto the scale .
- Tai, the value displayed on the oscilloscope is:
- Does it meet the accuracy requirements? If there are few...
- The allowable deviation is within 1%. Adjust the key.
- Correct the output analog value.

Suzhou Ouluda Intelligent Technology Co., Ltd.
Phone: 0512-6670-6550

Address: No. 288, Hua Feng Road, Huqiu District, Suzhou City, Jiangsu Province