GSI315T Indicator Manual

(1).Name and function of each component

Load cell Interface

Trigger times（Max：90%）

Battery level

Real time curve display

Real time force value display

	Sampling rate	
		0.000 kg

Upper alarm limit
55.000kg

Lower alarm limit
-35.000kg

Coordinate range
30.000kg

First peak value

Max. peak value

Valley peak value

reset

charge

MODE

ON/OFF

Peak clear

Zero clear

Charging interface   MINI USB   Power switch
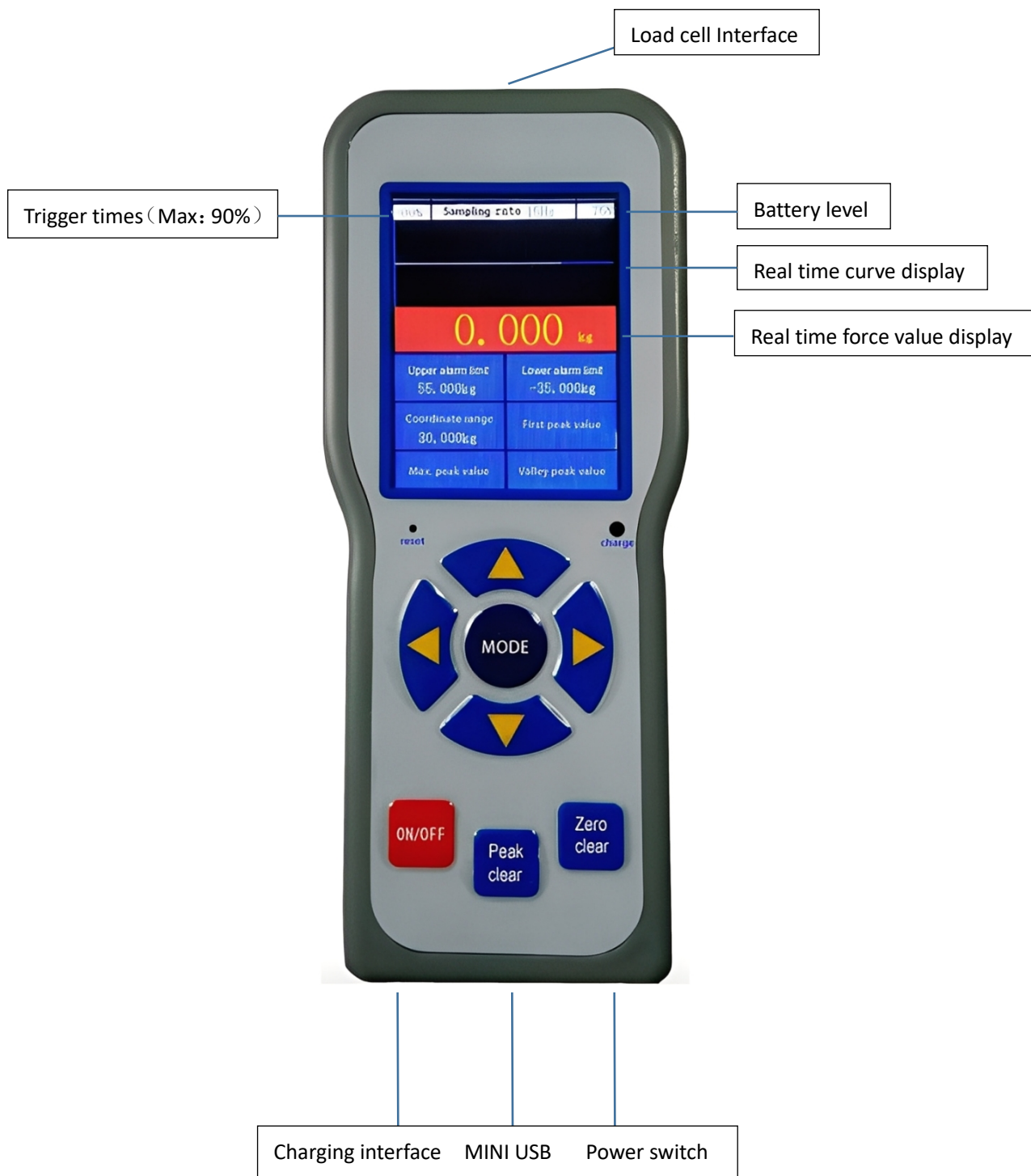
(2).Specifications

1、Display digit: 5;

2、Comprehensive accuracy: 0.05%;

3、Working temperature: charging: 0 ~ 45 ℃, discharging: - 10 ~ 50 ℃;

4、Battery continuous working time: 24 hours;

5、Overall dimension: 176×72×38mm;

6、Power adapter: 9V DC 2A;

(3).**Parameter table**(press the "MOD" key to display the parameter table, press the "right" key to enter the parameter, and press the "MOD" to save and exit after modifying the parameter)

Parameter name	Value range
Display units	kg g kN N t
Sampling rate	7.5 15 30 60 120Hz
Upper alarm limit	-19999~99999
Lower alarm limit	-19999~99999
Collection time	5-99999 s
Set coordinate range	0~99999
Load cell calibration	See details in calibration
Clear storage space	-
Peak hold time	0~86400 s
Definition of first peak value	0~99999
Wireless mode parameters (optional)	receive transmit inhibit (power on again after setting)
Number of decimal places	0 1 2 3 4

Note: the sampling rate of wireless mode is fixed at 7.5Hz。

(4). Sensor interface definition and fast calibration

1. Five core aviation plug definition:

 1 pin: signal negative (white wire)

 2 pin: signal positive (green wire)

 3 pin: excitation negative (black wire)

 4 pin: excitation positive (red wire)

 5 pin: Empty
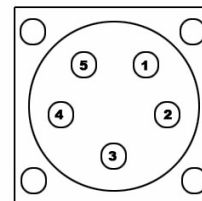
2. Fast calibration / calibration

　（If the sensor and handheld meter are purchased as a set, the calibration has been completed before leaving the factory. Please do not repeat the sensor calibration.）

　Press "MODE" to enter the parameter table when the load cell or load cell device is unload. Find "sensor calibration" press "▶" After entering and confirming the zero point, it will display "00000", and the last bit is red. Use "◀" "▲" "▼" three keys to set the display value as the weight value to be added by the load cell device, after setting, add the set

weight to the load cell, press "set" key after stabilization, and the indicator will display "-", "--", "---" "------" finally return to the parameter table, press the setting key to return to the measurement interface, the calibration is completed.

When the load cell device is confirmed to be unload, press and hold the "clear zero" key to complete the clear zero (tare removal) of the power-off storage.

(5). Collection and data analysis

Press "MODE" key and then press "▲" key to enter the data collection interface, press the "▶" key to start collecting data. After collecting and storing the data, return to the measurement interface(The collection time is set in the parameters: Collection time), At this time, the number of Trigger times in the upper left corner shows 10%, Repeat this operation again to trigger the number of times will become 20%, up to 90%. After the measurement, you need to connect to the computer to copy the data (the handheld instrument can be understood as a U disk at this time). After copying the data, you need to click the meter parameter " Clear storage space " to delete the data stored in the meter before you can continue data collection. The data is stored in TXT format on the computer, and it can be traced and analyzed by the complimentary "Force Curve Analysis Software". See "Force Curve Analysis Software Instruction Manual" for details