△ Read through and understand the Safety Warnings in this manual before using the instrument.

(1) Menu configuration

Operation of buttons at menu mode

Menu select, Enter
Menu shift, Setting change
Back Cancel

Main menu
measurement mode

Sub menu: SET.1 (Setting 1)

Sub menu: CALL (Memory call)

Sub menu: SET.2 (Setting 2)

SEL E1 (Setting1) Setting items

1.[Mod] Recording mode
Normal REC, Trigger REC
(*Setting via PC: Capture REC, PQA.PQA REC)

2. Recording Conditions
- [INV] Recording interval (Normal REC mode)
  1 sec. to 60 min. : 15-kind in total
- [LVL] Detection level (Trigger REC mode)
  Set the Detection Level from 0 up to 1000.
  (Unit varies on the connected sensors.)

3.[O/E] One time/Endless
  One time (ONE): Recording stops when memory becomes full.
  Endless (End.): Overwrite the old data, and store the latest data.

SEL E2 (Setting2) Setting items

1.[1:PN] Location no.
  Selectable between "P.000" and "P.999".

2.[2:APS] Auto-power off (3min.)
  Select "ON" to activate Auto-power off; "OFF" to disable it. Power off the instrument after use. (This function doesn't power off the instrument during recordings.)

3.[3:CLK] Time
  Can set hour and minute.

4.[4:TM] Timer
  Pressing the button initiates a recording when preset time comes.

5.[5:MEM] Memory Clear
  Clear the recorded data. Press the button with "no" indication on the LCD, then press the button to select "CLR". Pressing the button clears the data.

CALL (Recall) Reference items

1.[1:REC] Recorded quantity
  The ratio of the recorded quantity in the memory capacity (%)

2.[2:CH1] Number of recorded data at CH1 (current memory block)
  Pressing the button displays Max, Min and Peak values (or detected) with time and date information.

3.[3:CH2] Number of recorded data at CH2 (current memory block)
  Pressing the button displays Max, Min and Peak values (or detected) with time and date information.

4.[4:CH3] Number of recorded data at CH3 (current memory block)
  Pressing the button displays Max, Min and Peak values (or detected) with time and date information.

5.[5:RCL] RECALL
  Pressing the button displays the latest recorded data and the preceding 9 data, [R1] to [R10], with time / date information and each recorded values.
Operations In Normal recording mode

Step1: Preparation

1. Connect a Clamp/Voltage (KEW5020 Only) Sensor to CH1 (for multiple connection, starting from CH1) while the instrument is being off. Connect them firmly with careful attention to the orientation of the connector.

2. Press the Power-on button at least 1 sec. to power on the instrument. Release the button when all indications are displayed on the LCD. First, time is displayed, and then sensors being connected are displayed.

3. Check the connected Sensors.
   - Sensor and the full-scale value are displayed. (beginning from CH1)
   - Only CH1 is used in Capture REC mode.
   - Voltage sensor is connected to CH1 in POA REC mode (only on KEW5020).
   - Voltage sensor cannot be used with KEW5010.
   - Power off the instrument and repeat steps from 1. to re-connect a Sensor.

4. Check the range on the CH in use.
   - Pressing the CH button switches between CH1 and CH3; measured values are displayed.
   - Pressing the CH button switches Ranges or Filter settings.
   - Filter switching is available on the sensors having single range, such as Voltage sensor.
   - Auto-ranging is available in Normal REC mode.
   - Range in Trigger/Capture REC mode is automatically selected based on the preset detection level.

5. The instrument enters Menu mode when button is pressed. Each button acts as follows in Menu mode.

6. Confirm that “SET. 1” (which means Setting1) is displayed on the LCD, and press the Enter button.

Step2: Confirmation and change of the set value

Two settings: “Recording interval” & “Selection of Onetime/Endless” are made in this recording mode.

1. Recording interval is displayed. (1 sec. to 60 min. 15-kind in total) [Default Value: 1 min.]
   - No change: Press the button.
   - To change the interval: Follow the instruction given in “Change of set value” press the button and proceed to the next.

2. ONE.t (Onetime) or End.L (Endless) is displayed. [Default Value: Endless]
   - No change: Press the button.
   - To switch them; Follow the instruction given in “Change of set value” press the button and proceed to the next.

3. Setting completes. Press the Enter button to return Setting 1 “SET.1”.

4. When clearing all the recorded data, do Memory clear at Setting 2. Press the button to make measurements without clearing data. (go to Step 3)

Step3: Start of recording

1. Connect the sensor and the instrument firmly so as not to easily be disconnected.

2. Pressing the button at least 4 sec until REC mark appears on the LCD starts recordings.
   - Status of recorded data in Memory is displayed with a message “CLR” or in percentage on the LCD while the button is pressed down. (Releasing the button at this status stops a recording.)
   - Additional three recordings (Memory block 1 to 3) are possible. In this case, recording stops when memory is full even if onetime is being selected.
   - It is recommended to clear the memory before starting to record if previous data is not necessary.

Step4: Stop of recording

1. Press the button at least 1 sec to stop recording.

2. Recording stops, and the REC mark disappears. Then the instrument goes back into measurement state.

Now, recording completes.

- The recorded data can be viewed either by the following two methods.
- On a PC:
  - Refer to the instruction manual. (Data transfer to PC) See the HELP contained in a PC Software “KEW LOG Soft2” how to transfer the data and operate the instrument.
- On the instrument:
  - Refer to Confirmation of recorded data (CALL)

- Press the button at least 1 sec to power off the instrument.