KEY FUNCTIONS

When your Phasec D62 is **OFF** pressing this key will switch the instrument **ON**.
When your Phasec D62 is **ON** holding this key down for a half-second will switch the instrument **OFF**.

This key is used to initiate a selected action in the Copy Mode and memory function fields. It is also used to exit from editing the print header.

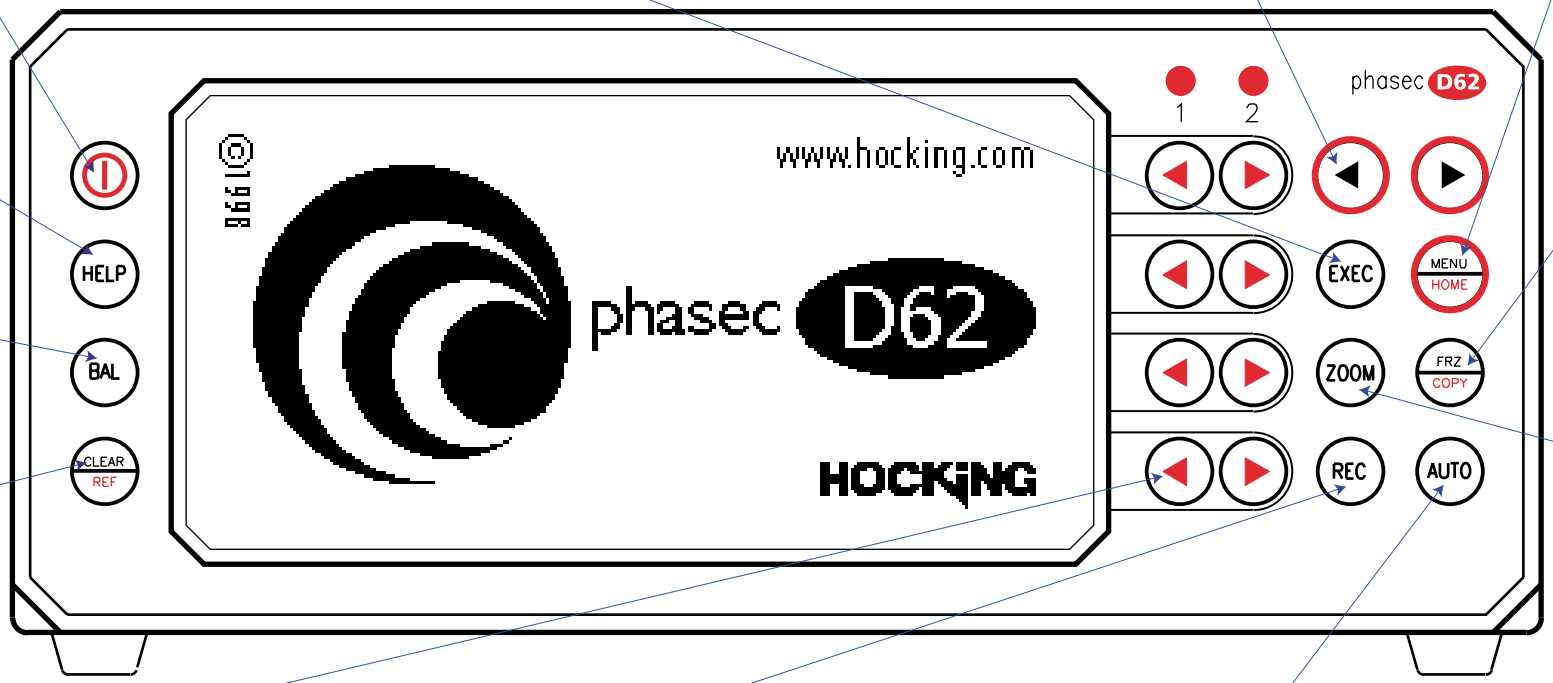
The left and right function group selection keys allow you to select one of the different groups of four functions in each function level.

Switches between the **TEST** screen (showing the trace and currently selected first level functions) and the **SETUP** screen showing the second level functions.

Provides context sensitive help on functions and operations.

A short press initiates the instrument balance sequence. When in absolute mode, a long press will initiate the automatic select load routine

A short press on this key clears the screen of the old signal trace. A long press clears any display reference trace.



A short press on this key will freeze the current trace/setting. A second short press will thaw. If a long press is used, the previously selected operation

Pressing this key zooms the display (x2, x1, x0.5,)

The four 'Softkeys' change the value of the various functions displayed on the right-hand side of the screen.

This key controls the signal recording process. The first short press clears the trace and starts recording (a long press will recall the last recorded signal). The second press stops recording and switches to playback mode. Pressing it a third time returns the instrument to normal operation.

If the instrument is in single channel mode and the recording memory is not currently active, this key activates the Auto lift-off function. If the instrument is in dual frequency mode and the recording memory is currently active, this button performs the Auto-mix sequence.

PROBLEMS?

- If **Run from Batteries** is set to **disabled** the instrument will not work without AC power
- Ensure Serial Port parameters match your printer or converter
- If NiCad batteries are not charging, make sure that battery type is set to **NICAD** on rear panel
- Never set to NiCad if NiCad cells are not fitted

First level function menu

1 Chan 2 Prb1 Prb1	Rotary 33a100	Probe Conduct.	CH1 FREQ 200kHz	Ch2 Freq 200kHz		Inp. Gain +20dB	X-pos 1 0	Sweep 1sec	TOP 1 500	Inner 2 320		Record Playback
1 Mode 2 Diff Diff	RPM 3000	Freq. 60kHz	Ch1 Phase 0.0°	Ch2 Phase 0.0°	SUM PHASE 40.0°	Persist 0.5sec	Y-pos 1 0	Range + 180°	LEFT 1 -1000	OUTER 2 2400	UPPER 1 620	START 1.00s
1 Trace 2 Ch1 Ch2	1 Trace 2 Y1 None	Task Measure	CH1 GAIN 72.0dB	Ch2 Gain 30.0dB	SUM GAIN 12.0dB	MinRad 320	X-pos 2 0	Y-pos 1 0	RIGHT 1 1000	START 2 22.0°	LOWER 1 -620	LENGTH 1.00s
Display XY	Display W/Fall	◀ Units ▶ MS/m mm	Ch1 X:Y 0.0dB	Ch2 X:Y 0.0dB		DefAng 0.0°	Y-pos 2 0	MIN ANG 2 0.0°	BOTTOM 1 -500	END 2 59.0°		Scroll 0.0 s
Mode (Standard)	**Mode (Rotary)**	**Mode (Conduct)**	**Channel 1**	**Channel 2**	**Sum**	**Misc**	**Pos XY**	**Set YT**	**Alarm (Box)**	**Alarm (Sector)**	**Alarm (TB)**	**Play**

Second level function menu

Baud 9600	Dialogue English	Probe Standard	Probe 64 Conduct.	Alarm Stretch 0.2s	AL1 type Box	OUT 1 None		◀ Hour Min ▶ 11 : 01	Charge Battery ◀Stop Start▶
◀ Data Stop ▶ 8 1	Printer HP PCL	Drive 0dB 2.0V	Cal. Block 1 33.93 MS/m		AL1 set to Ch1	OUT 2 None	OUT 5 None	◀ Day Month ▶ 25 May	Battery Size 4.4 Ah
Parity None	◀ Bright Bal ▶ High Linked		Cal. Block 2 5.13 MS/m		AL2 type Sector	OUT 3 None	OUT 6 None	Year '99	Run From Batts Enabled
Handshake XON/XOFF	Graticule Rect.A		◀ Units ▶ MS/m mm	◀Alarm action▶ Run Tone	AL2 set to Ch2	OUT 4 None		Model :D62 V2C49 12May99	DSP Version 104

Set-Up Conf. I/O AlCfg AlSet OUT14 > OUT56 > < Conf. I/O AlC< I/O AlCfg Al OUT56 > < AlCfg AlSet OUT14 OUT56 Time Batt.

Standard operating mode selection

1. Select first level menu Mode
2. Select operating mode
3. Select probe connection to be used
4. Select probe mode to be used
5. Select trace allocation and display

Switching to conductivity measurement mode

1. Connect suitable conductivity probe and cable to the unit. Switch unit on
2. Press **MENU/HOME** to select second level function menu
3. Select the **I/O** function group and change **Probe** to **Conduct** - this will then become the **Cond** function group
4. Change the conductivity units to match those in which the blocks are calibrated
   Set the value of **Cal.Block**1 to the higher conductivity standard
   Set the value of **Cal.Block** 2 to the lower conductivity standard
5. Adjust units of measurement as required
6. Press **MENU/HOME** to return to normal operation
7. Perform conductivity setting procedure
8. Your Phasec D62 is ready to measure conductivity

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How to save the current instrument trace or settings

1. Set up unit as required
2. Press the **FRZ/COPY** key
3. Ensure the **Copy** mode is selected as **Save**
4. Ensure that **Copy Data** is selected as **Settings** or **Trace** as applicable
5. Press **EXEC** key to enter the **Save** screen
6. Set function to **Exit**
7. Use the **Line** softkey to select the intended storage location
8. Set each character of the label by selecting it with the **Position** soft key, then selecting the desired symbol with the **Character** softkey
9. When the line is complete press **FRZ/COPY** to save the setting and return to the normal display

How to recall saved traces or settings

1. Press the **FRZ/COPY** key to freeze the instrument display
2. Ensure that **Copy** mode is selected as **Recall**
3. Ensure that **Copy Data** is selected as **Settings** or **Trace** as required
4. Press **EXEC** to enter the **Save/Recall** screen
5. Function should show **Recall**
6. Use the **Line** softkey to select the desired stored trace or setting
7. Press **EXEC** to recall the trace or setting and return to the normal display

How to operate the internal recording function

1. Set the instrument up as required for the test. Perform test and check settings are approximately correct
2. Press **REC** key and perform test again. The battery symbol will be replaced by the recording icon
3. Press **REC** key again to stop recording. Playback icon will appear and **Play** screen will be displayed
4. Use **Scroll** function to position the disired data on screen, and use **Start** and **Length** functions to select required signal
5. To optimise, access standard menus using the left function group selection key. When optimised press **REC** to stop playback and return instrument to normal operation
6. A further press of REC clears stored data and starts a new record sequence
7. A long press of **REC** will resume replay of the previously recorded trace

How to eliminate a tube support plate by mixing

1. Set **Mode**to **Diff 2Ch**
2. Connect I.D probe to Lemo socket marked 'Probe 1'
3. Select appropriate frequencies, set channel 1 for standard test
4. Adjust channel 2 for similar amplidute from support plate
5. Record support plate signal. Play back and select appropriate portion of stored data
6. Press **AUTO** to mix
7. Adjust sum **Gain** and **Phase** for desired flaw response