ISONIC 3510 Controls and Terminals

Encoder Terminal

Terminals for connection of the conventional probes

PA Probe Terminal # 2 (East)

PA Probe Terminal # 1 (West)

Terminals for connection of the conventional probes

SINGLE mode of operation

Pulser / Receiver terminal – channel # 2

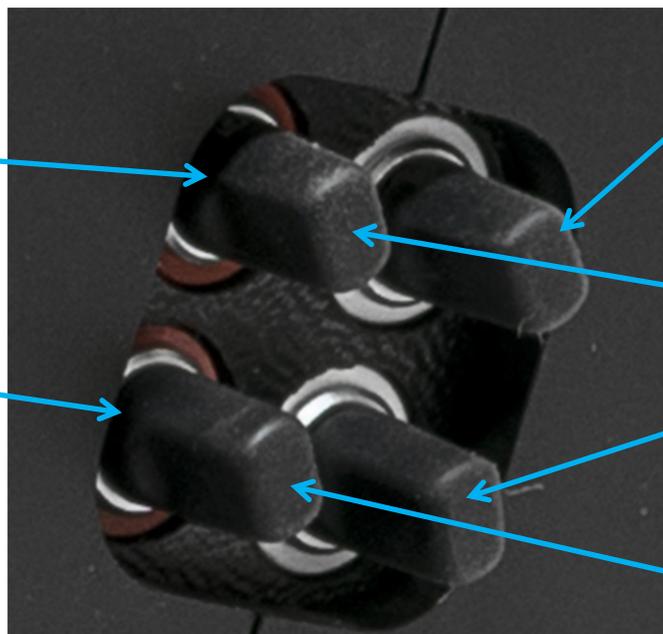Pulser / Receiver terminal – channel # 1

DUAL mode of operation

Pulser (emitting) probe terminal – channel # 2

Receiver (receiving) probe terminal – channel # 2

Pulser (emitting) probe terminal – channel # 1

Receiver (receiving) probe terminal – channel # 1

Power LED: lights when the instrument is switched on

Low Battery Warning LED

Battery Charge Status LED

Touch Screen

LAN (Ethernet) terminal

2 X USB terminal

sVGA terminal

Battery compartment

Power DC In terminal for connection to external AC/DC converter / charger

Power ON/OFF switch

Keyboard

Mouse

POWER LOW-BAT CHARGE

ESC

F

ISONIC 3510

dB

Sonotron NDT

1
2
3
4
5

OK

I

RIGHT

LEFT

POINTER POSITION

Whilst operating the instrument with one PA probe:

The smart plug should be connected to the PA Probe Terminal # 2 (East)

The PA probe should be connected to the PA Probe Terminal # 1 (West)

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Carrying Handle

To manipulate carrying handle:

Press from both sides

Rotate handle while pressed until settling into the desired position, then release

Turning On / Off

Normally **ISONIC 3510** is powered from the internal battery. The battery should be inserted into its compartment covered and secured with 2 screws

If necessary the internal battery may be charged inside the instrument while it is working. For that purpose the external AC/DC converter / charger should be connected to the appropriate terminal of the instrument and the power cord of the external AC/DC converter should be connected to the mains 100…240 VAC / 40…60 Hz

⚠️ It's not recommended to power **ISONIC 3510** on without the battery inside

To switch **ISONIC 3510** on press on the power button and keep it pressed for several seconds (up to 30) until the **POWER** LED on the front panel lightens

Wait until **ISONIC 3510** start screen becomes active automatically upon the boot up routine is completed – this may take up to 45 seconds

Click on [1 Phased Array] or press (1) on the front panel to run **ISONIC 3510** using *Phased Array (PA) Modality*

Click on [2 Conventional / TOFD] or press (2) on the front panel to run **ISONIC 3510** using *Conventional / TOFD Modality*

Click on [3 Exit To Windows] or press (3) on the front panel if it is necessary to fulfill some general purpose Windows procedures

To turn the instrument OFF click on [4 Shut Down] or press (4) on the front panel or press the power button

⚠ After turning **OFF** wait at least 10…30 seconds before switching the instrument **ON** again