



Quick Start Guide

Pressio[®] 2 ICP System

IntraCranial Pressure and Temperature Monitor





Outline:

Section 1:

Setting up the Pressio 2 ICP Monitor

Section 2:

Zeroing the Catheter

Section 3:

Patient Bedside Monitor Calibration

Section 4:

Preparing for MRI Examination

Section 5:

Settings / Alarms

 Please refer to the instructions for use - NT500

○ Set up and power on the monitor

- 1 Affix Pressio® 2 Monitor
** to pole or bedrail **



- 2 Connect Pressio® 2 Monitor to power

- 3 Connect Catheter Extension Cable to Catheter Extension Cable inlet: (white)



- 4 Power on Pressio® 2 Monitor by pressing the [ON] button



- 5 Pressio® 2 Monitor performs 4-second start-up self-test

 **SOPHYSA**
At the heart of the **brain**

SN : YGNNNNN
Software V1.00

Zeroing the catheter



Zero the catheter **BEFORE** Implantation

Pressio[®] 2 Monitor displays :

Connect catheter

1 Prepare a shallow cup with sterile saline within a sterile field

2 Connect Pressio[®] Catheter to the Catheter Extension Cable (up to the blue line)



3 Immerse tip of Pressio[®] Catheter into sterile saline, without touching cup



4 Press [Zero] button  on the touchscreen

5 Wait 4 seconds while Pressio[®] Catheter completes zeroing

Catheter is zeroing


Zero catheter OK
Implant catheter

2



Patient monitor calibration

- 1 Connect Pressio[®] 2 Monitor to **patient** monitor with the Pressure Cable and Temperature Cable



2 Sending signal
0 mmHg
to patient monitor

- 2.1 Press [Zero] button on the **patient** monitor

- 2.2 Confirm **patient** monitor matches Pressio 2 (0 mmHg)

- 2.3 Press [Ok] on Pressio 2 Monitor touchscreen



3 Sending signal
30 mmHg
to patient monitor

- 3.1 Confirm **patient** monitor matches Pressio 2 (30 mmHg)

- 3.2 Press [Ok] on Pressio 2 Monitor touchscreen



4 Sending signal
60 mmHg
to patient monitor

- 4.1 Confirm **patient** monitor matches Pressio 2 (60 mmHg)

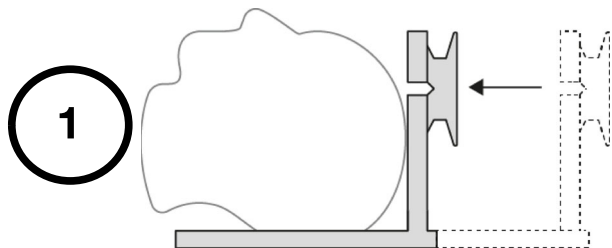
- 4.2 Press [Ok] on Pressio 2 Monitor touchscreen



Prepare for MRI (MR Conditional to 3T)

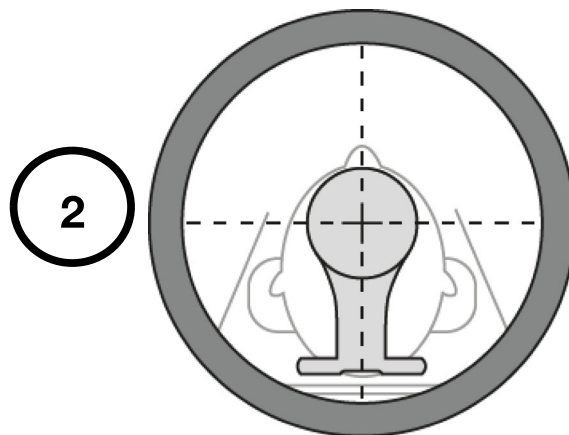
Pressio® 2 Catheters (PSO-PTT/PBT/VTT) are «**MR Conditional**», as defined by the ASTM F2503 standard. «**MR Conditional**» status requires both of the following two conditions:

Condition 1: Coil the Catheter



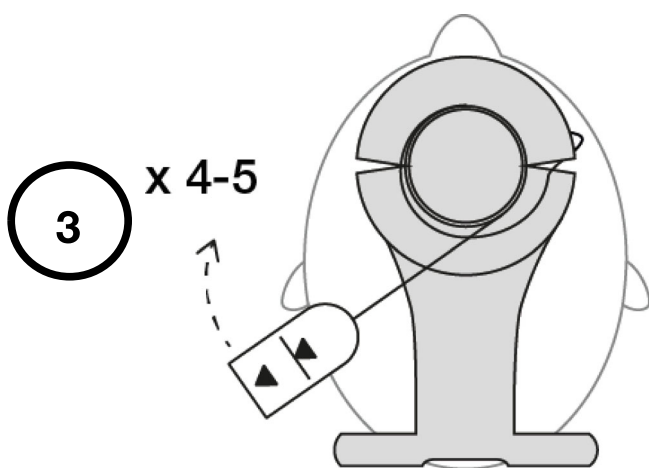
MRI Support positioning

Place the MRI Support as close as possible to the patient's head.



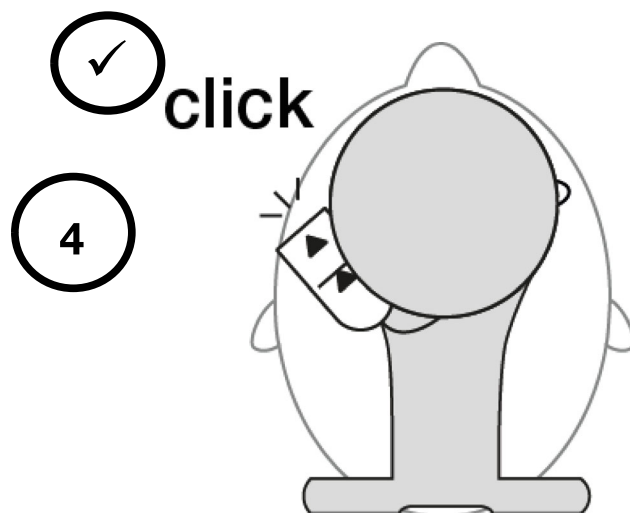
MRI Support centering

Place MRI Support in the center of the table. Ensure that the MRI Support is aligned with the patient's head.



Pressio 2 Catheter Coiling

Depending on the length, the Pressio 2 Catheter may be coiled 4 or 5 times around the MRI Support.



Connector Fixation

Affix the Pressio 2 Catheter connector into the rim of MRI Support device.



Condition 2: MRI Specifications:

- Static magnetic field less than or equal to 3 Tesla.
- Spatial gradient of the static magnetic field less than or equal to 19T/m.
- Whole body averaged SAR (Specific Absorption Rate) less than or equal to 2W/kg (normal mode) for 15 minutes continuous exposure at 3 Tesla.
- Whole body averaged SAR (Specific Absorption Rate) less than or equal to 2W/kg (normal mode) for 15 minutes continuous exposure at 1.5 Tesla.
- No magnetic field gradients limitations.
- Do not use Transmit/Receive or Transmit-only RF Head coils. Only use Transmit/Receive RF Body coil or Transmit RF Body Coil/Receive-only RF Head coil.
- Do not scan a patient with an elevated body temperature.
- Note: Artifact may span up to 5.5cm, depending on implantation depth, with 3 Tesla echo sequence.

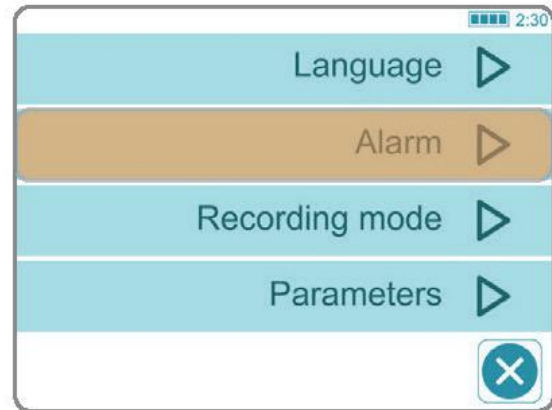
○ Settings - Alarms

Activate / Disable | Thresholds

1 Press [Menu] button



2 Access alarm menu by pressing [Alarm]



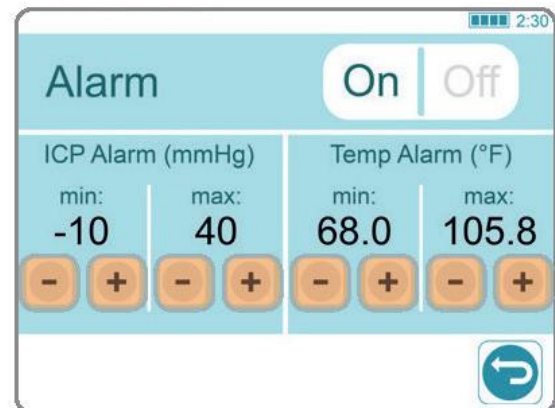
3 Press [ON] to activate alarm



3.2 Press [OFF] to disable alarm (**enter code: 1234, then press V to validate**)



3.1 Adjust the thresholds by pressing [+] or [-]



4 Press [BACK] to return to menu



5 Press [EXIT] to return to monitoring





Catalog #	Description
PSO-PTT	Pressio® Catheter Kit, Parenchymal Tunneling / ICP + ICT Monitoring
PSO-PBT	Pressio® Catheter Kit, Parenchymal with Bolt / ICP + ICT Monitoring
PSO-VTT	Pressio® Catheter Kit, Ventricular Tunneling / ICP + ICT Monitoring
PSO-MRI	Pressio MRI Support (for use during MRI)
PSO-EC30	Catheter Extension Cable.
PSO-MC01	Patient Monitor Cable (ICP), Philips, 12 pin
PSO-MCT-A	Patient Monitor Cable (Temperature), Philips, 2 pin
PSO-MC02	Patient Monitor Cable, GE Solar, 11 pin
PSO-MCT-E	Patient Monitor Cable (Temperature), GE Solar, 11 pin

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