

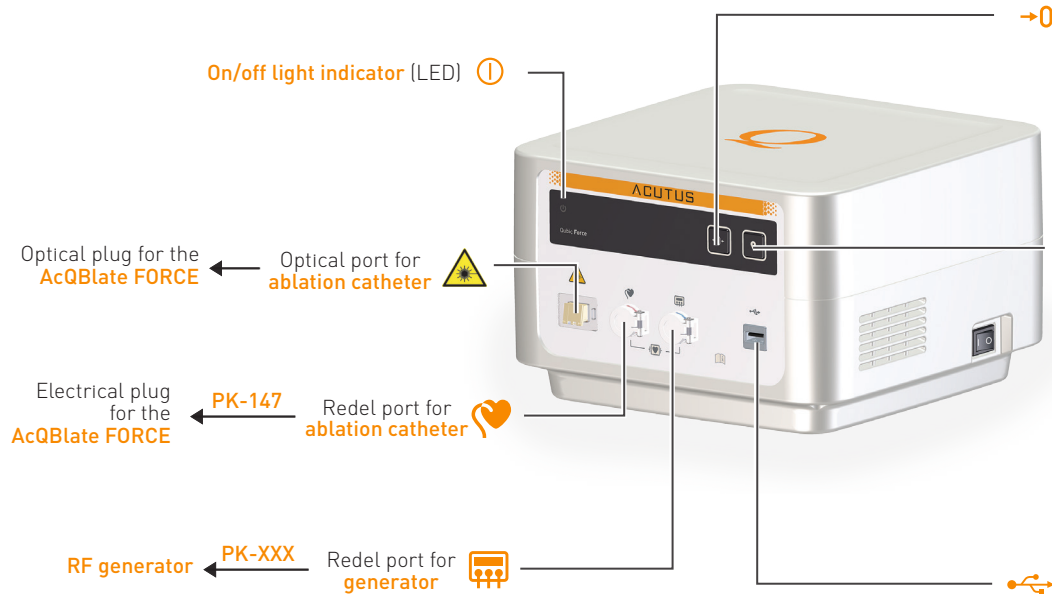


Qubic Force

Device for visualization of contact force of the catheter tip on the cardiac wall

Quick reference guide

ACUTUSTM
M E D I C A L



Tare key

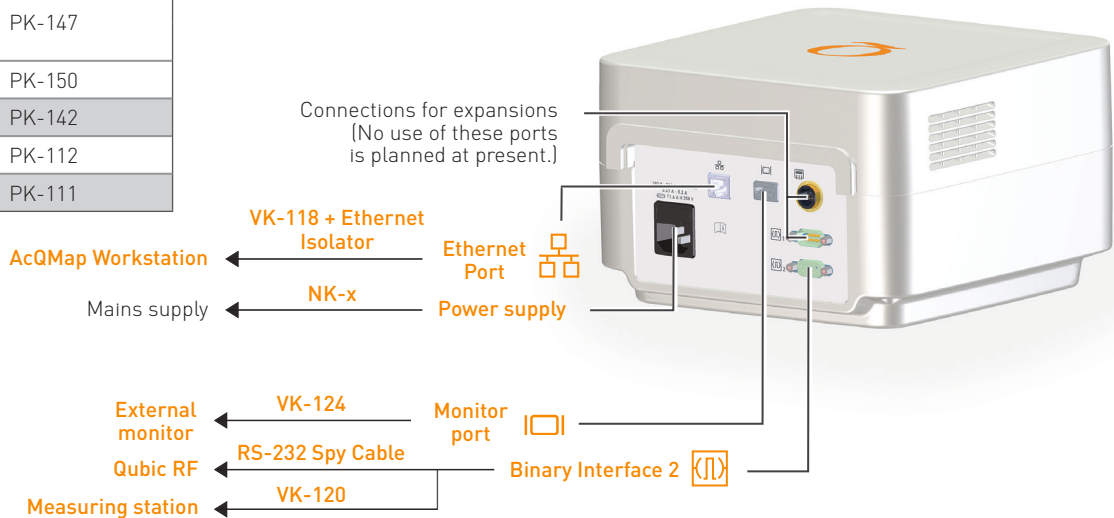
- Pressing the key resets the displayed values for contact force and application angle to zero. In order to prevent incorrect values for contact force, make sure that no force is acting on the cardiac wall when you press the Tare key.

Marker key

- Press the key for **less** than 5 seconds: The current values are marked in the log file for the current procedure and a current screenshot is stored.
- Press the key for **more** than 5 seconds: The log file for the current procedure and the stored screenshots are transferred to a USB flash memory stick.

The following RF generators are connected using the correct patient cable as indicated below:

RF generator	Patient cables
Qubic RF	PK-147
EP-Shuttle	
SmartAblate HF Generator	PK-150
IBI-1500 T11	PK-142
Atakr II	PK-112
HAT 300 Smart	PK-111



The Status Bar

The status bar is located at the top right edge.
It is visible in the main view and the Settings view.



The **Marker** key has not been used during the current electrophysiological study.



Data has been successfully exported.
The green marker changes to gray after 10 seconds.



An error has occurred and the data has not been successfully exported.



The screenshot has been stored and the current values have been marked in the log file for the current procedure.
The green marker changes to gray after 10 seconds.



An error has occurred, no screenshot has been stored and the current values have not been marked in the log file for the current procedure.



No **AcQBlate FORCE** ablation catheter has been connected.



An AcQBlate FORCE ablation catheter has been connected, checked successfully, and can be used. The green marker changes to gray after 10 seconds.



An AcQBlate FORCE ablation catheter has been connected but an error occurred and it cannot be used.

Or a connected AcQBlate FORCE ablation catheter has been removed.

The Numerical Display

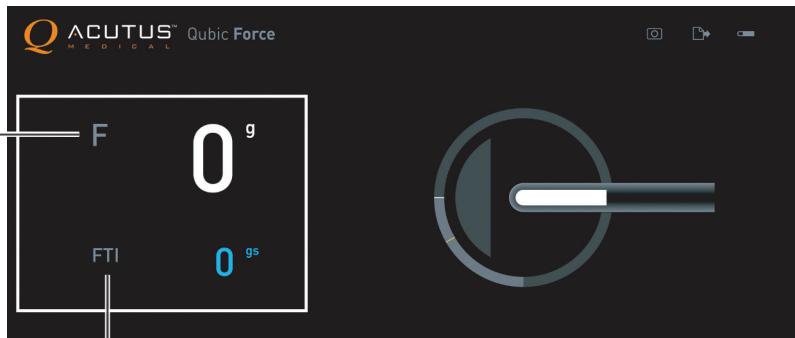
The numerical display is located in the left main area of the screen. If an AcQBlate FORCE ablation catheter is connected, its values are shown.

Display of the current **contact force** of the ablation catheter tip on the cardiac wall, in grams (g)

If the contact force is above the set limit, the value for contact force is shown in orange.

It may be useful to set the values for contact force and application angle to zero prior to beginning the cardiac radiofrequency ablation so as to better assess the applied contact force and the application angle. The displayed values for contact force and angle are set to zero using the Tare key.

The device is automatically tared upon first connecting the AcQBlate FORCE ablation catheter to it and each time the Qubic Force is started. When you disconnect the ablation catheter and then connect it again while the device is still active, the values used to obtain contact force and application angle are not automatically tared again.



Display of the current **force-time integral** in gram seconds (gs).

The Graphic Display

Display of the angle at which the ablation catheter is applied to the cardiac wall:

The **white** line in the light gray area of the circle moves between and 0° and 90° .

The area within the circle symbolizes the cardiac wall and likewise moves according to the angle.

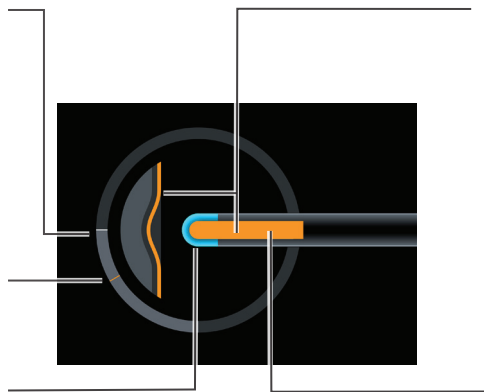
The **orange** line shows the angle limit.

Delivery of ablation energy:

(Only if an RF generator is connected to Qubic Force.)

The catheter tip turns **blue**.

The area is also marked in blue in the trend display over time.



Possible perforation of the cardiac wall:

The white area inside the catheter display and the display of the cardiac wall turn **orange** and the display of the cardiac wall shows an **indentation**.

Exceedance of the contact force:

The white area inside the catheter display turns **orange**.

The trend display over time marks the orange line for the set limit for contact force.

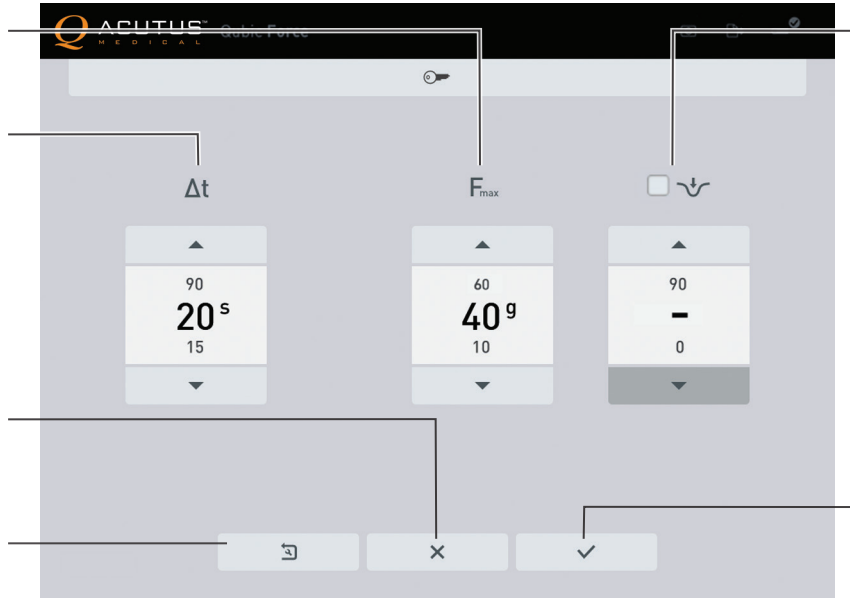
The Settings View

Setting for the **limit** for the **contact force**

Setting for the displayed **duration** of the trend display

Closes the view and does **not** apply your changed settings.

Resets all settings to the **factory settings**.



Setting for the **limit** for the **angle** at which the ablation catheter can be applied to the cardiac wall

Setting a limit (0...90°) activates the visual warning for a possible foreseeable perforation of the cardiac wall in the graphic display of the main view. Also, the checkbox lights up green.

Closes the view and applies your changed settings.



Note: This quick reference guide is not a substitute for the device's technical manual.

Before using the Qubic Force, please read the technical manual for the device including the safety warnings.

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Manufacturer:
ACUTUS MEDICAL, INC.
2210 Faraday Avenue, Suite 100
Carlsbad, CA 92008 USA
Phone: +1 442-232-6080
FAX: +1 442-232-6081
acutus.com



MDSS GmbH
Schiffgraben 41
30175 Hannover
Germany

ACUTUS™
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