

Quick Start



Press any button for 2 seconds to start the instrument.



Finger-tighten the SmartPeg into the implant (or abutment) with the SmartPeg Mount (4-6 Ncm).



Aim with the probe towards the magnet on top of the SmartPeg. The more horizontal the easier it is to get a value.



When in the right range the instrument will emit three beeps and the ISQ value will be shown on the display.



Further measurement instructions:

Take **two measurements**, 90 degrees perpendicular to each other, to get the highest and the lowest stability value.



Normally the ISQ-values are in the same range but if one is very low it is advised to use a more conservative treatment protocol.

It is required to take **two measurements**; first at implant placement and a second measurement before the final restoration, to **monitor the osseointegration**. A low or a decreasing ISQ-value should be considered a warning.

Trouble Shooting: No ISQ Reading

For quality assurance reasons Osstell ISQ will discriminate "false readings". If the instrument does not display a value, please check the following:

Low signal strength

The probe might be at a bad angle. Try to hold the probe at a slightly different angle close to the magnet (without touching).

Improper attachment

If the SmartPeg is not properly attached, or if material is trapped between the implant platform and the SmartPeg, this could cause problems. Unscrew the SmartPeg, clean the platform and retighten the SmartPeg.

Resetting the Osstell ISQ

A reset reverts the instrument to the default factory settings. All settings and measurement data will be lost. A reset can be of value if any settings have caused the instrument to behave unusually; such as if the display contrast makes it difficult to read or the instrument is set to a language you do not understand.



1. Turn off the instrument.
2. Push the following three buttons at the same time (as illustrated to the left): "Left arrow", "Center button", and "Right arrow".
3. If the instrument emits a small beep without starting up, the reset was successful.
4. Start the instrument - the first screen will be the "Set Date" screen followed by the "Set Time" screen.

SmartPegs

Always ensure correct measurements by using a new SmartPeg for each patient's session. The SmartPegs are **disposable**, delivered sterile and should not be autoclaved.