

### CALIBRATION MODULE

Calibrate your motor to the contra angle you use the most. Each contra angle performs slightly different and changes during its lifetime. Calibration is necessary to gain reliable torque values. In this way, torque value displayed during its use will be 100% accurate.



Start up of the pump  
Long press=irrigation only

Rotating direction of the motor

Switching from one sequence of the protocol to another one

Alteration of the torque during surgery  
Long press = re-initiation of the maximum torque reached



Speed of the instrument

### OTHER FEATURES



5 LANGUAGES Available  
French, English, German, Spanish and Italiano.

**HOLDING CLIP**  
Very practical clips to hold the motor cable and the irrigation tubes together, keeping them neat.

**VISUAL ADJUSTMENT OF THE TACTILE SCREEN**  
For a better visual comfort, the contrast and the positioning of the screen can be altered.



### KIT & REFERENCES

**IMPLANTOLOGY CONTRA-ANGLE REF.10400**  
Exceptional torque, total reliability up to 80N.cm  
Ideally designed for implant placement surgeries  
Drilling, tapping, and implant placement  
Instantly detachable head  
Optimum maintenance

### MAINTENANCE

The maintenance of implanteo :  
• The motor must be sterilized with its sterilization cap  
• The motor with cord, the motor support, and the stand can be autoclaved at 135°C

### REFERENCES

Ref. 11000	Kit 220 Volt
Ref. 11001	Complete kit including console pedal Control box, a 20:1 contra-angle (ref 2520RBP), an internal irrigation system (ref 2041) and a metallic link in "Y".
Ref. 11010	Kit 110 Volt
Ref. 11011	Complete kit including motor, console pedal A 20:1 contra-angle (ref 2520RBP), an internal irrigation system (ref 2041) and a metallic link in "Y".
Ref. DCA 11007	Kit Mont-Blanc® Implantolog Mont-Blanc® Implantology, ref 10400 Complete kit including the motor, the control box, the pedal, an internal irrigation system (ref 2041) and a metallic link in "Y".
Ref. 11200	Separate motor for implantology
Ref. 6841	Bottle NaCl 0.9% - 1litre
Ref. 11050	Tubing with needle tip for bottle
Ref. 6841A	Bag NaCl 0.9% - 1litre
Ref. 6841A-0.5l	Bag NaCl 0.9% - 0.5litre
Ref. 11051	Tubing with screw on for Anthogyr bags of liquid

All the contra-angles are delivered with an irrigation system and a metal link, the bag of saline solution (500ml), and the irrigation line. 11051 are included in the different kits.

www.dio.co.kr

# DIO anthogyr



### VERSATILE MOTOR SUPPORT

On top of its flexible and ergonomic shape, the motor support can be used as a sterilization "container" for both the motor and the contra angle.

### ERGONOMICS OF THE PUMP

The pump is located at the front of the box for better access with automatic opening/closing of the box with just a push.



### DIO IMPLANT

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implanteo®

DIO anthogyr

DIO anthogyr Surgical Motor System includes new and improved features that deliver the utmost in simplicity of use, reliability and convenience

- providing clinicians with confidence and time savings during surgeries.
- It offers number of functions to facilitate not only implant placement surgeries, but also other uses such as bone shaping/grafting procedures ( wide speed range of 500 ~ 40,000 rpm and ability to use a multiplying contra angle)

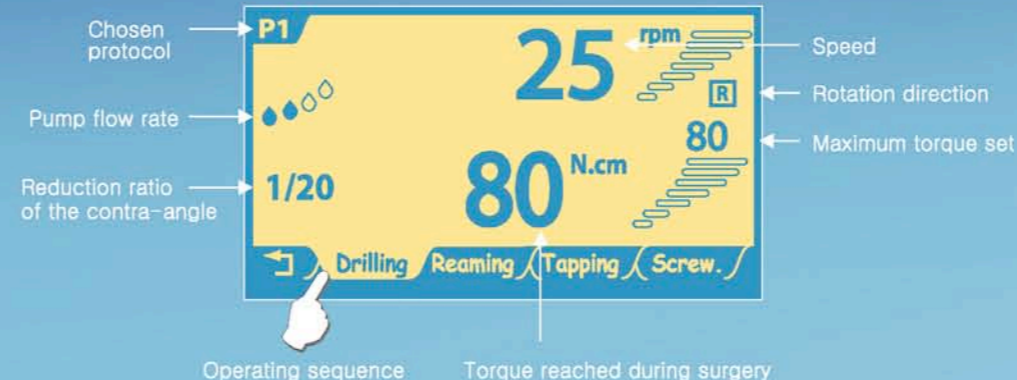
The main features at a glance:

- Elevated output torque of the motor : 7 N/cm.
- Output torque : 55N.cm or 80N.cm depending of the contra-angle
- Powerful motor
- Large tactile screen
- Simplified opening of the pump
- Torque displayed in actual value
- The ability to complete any procedure with only one contra angle 20:1 reduction..
- The entire function of the pedal



## Forget about the buttons, just use the screen!

All you have to do is to touch the parameter displayed on the screen to alter different settings. You will very quickly find that using the screen will become second nature : You don't need to look for a button to change a value, just head straight for the given value on the screen. All the information required during surgery is displayed at once, on the screen, and its large size means that you will be able to see it even at a distance.



## Four parameters

The speed, torque, flow rate and contra angle reduction ratio.

Speed : When the motor is not operating, the maximum speed is displayed as opposed to its actual speed when in operation. The speed adjustment takes into account the reduction value used.

Speeds Available According to The Selected Contra-Angle					
	X3	1/1	1/16	1/20	1/30
Minimum Speed	1500	500	30	25	20
Minimum Speed	120000	40000	2500	2000	1325

Torque : Several torque values are displayed :

- The maximum torque set
- The actual torque while the motor is in operation
- The maximum torque reached during the procedure



Pump flow rate : The pump has five different settings up to a maximum of 60 ml/minute.

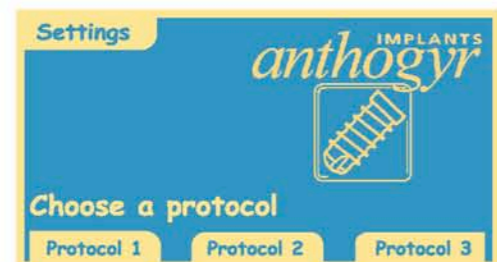
### 1. PRESET YOUR PROTOCOLS

You may program up to 3 different protocols. These will cover all the possible uses of the motor.

Each protocol allows for implant placement surgery in 4 sequences : drilling, reaming, tapping and screwing. The required parameters used for each sequence ( the drill speed, implant insertion torque...) are programmed in the different protocols, so as to give you peace of mind during surgeries. This allows you to concentrate as much as possible on your patients.

#### PROTOCOL EXAMPLES

Depending on the type of bone	If you carry out surgery	If you use several makes or types of implants
- Protocol ① for a hard bone	- Protocol ① for implant placement	- Protocol ① for DIO SM system
- Protocol ② for a soft bone	- Protocol ② for surgery	- Protocol ② for DIO External system
- Protocol ③ for a medium bone		- Protocol ③ for DIO Internal system



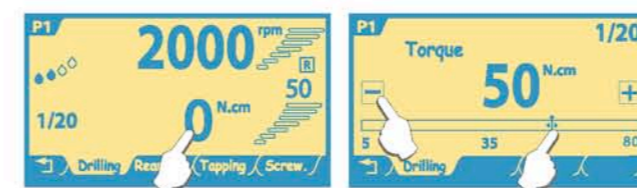
### 2. ADJUST YOUR PARAMETERS

#### TO ADJUST

With just a simple touch, the setting that needs to be adjusted will appear in the center of the screen with a cursor. You simply need to move your finger alongside the cursor or to press on the signs + or -  
For safety reasons, when a value of the program is altered, the altered value will flash in order to remind you that you may be outside of the parameter set for that protocol.

#### TO STORE

However, if the value altered seems to be more appropriate and if you wish to store it in the program, simply press on it and it will stop flashing.



1. Press on the parameter
2. Move the cursor or press on + or -



### 3. Simplicity of Operation



#### 100% OF ASEPSIS

No need to touch the screen. All the functions are directly controlled from the foot pedal.

#### 100% OF CONTROL

All the parameters are controlled from the foot pedal. They are all programmed : the parameters for initial drilling, reaming, tapping, and final screwing.

#### 100% OF EFFICINECY

The brushless motor has an output torque of 7N/cm (without a contra angle). It is one of the most powerful on the market. If the programmed torque seems to be insufficient during surgery, simply use the pedal.