

The Torque solution to master implant screw tightening



Developments in the medical industries also come with tools that measure the quality of medical parts (tools and aids) during the design, production, and installation process, or to track the life of implants. This is why ANDILOG has developed, in collaboration with laboratories, a torque measuring solution dedicated to research and manufacturers of prosthesis wishing to accurately measure the screw tightening torque of dental implants, and called the IMPLANTORK.

The original and most used method of attaching the abutment to the implant design is by means of a screw. Prosthetic crowns fastened with machined screws are placed on top of the implant to replicate the missing teeth. Screws facilitate the attachment of the implant crowns to the implants. The

IMPLANTORK is a mini torque wrench able to measure with high accuracy the exact torque applied on the implant during the mounting process. The manually-operated digital dental implant torque wrench employs a screw holding sheath for placing a dental screw.

The torque is applied by turning the torque wrench perpendicularly to the turning screw head, and the torque value displays on the EASY digital readout (with a resolution up to 1/10,000 FS). A beeping at the set point warns the user when the applied torque is reached. The set point can be easily setup and adjust in order to reply to the various implant manufacturer specifications.

The IMPLANTORK measuring solution is used to qualify implant, tightening torque value and tightening process for the application of implant dentistry and in orthopedic surgery that require tightening or loosening.

Best in-class solution

- > **A dedicated** measuring solution to qualify the screw **tightening torque on implant**
- > **0.5% FS accuracy**
- > High sampling rate for **repeatable and accurate results**
- > **Statistical analysis**
- > Large and remote display
- > Choice of torque range capacity

Specifications

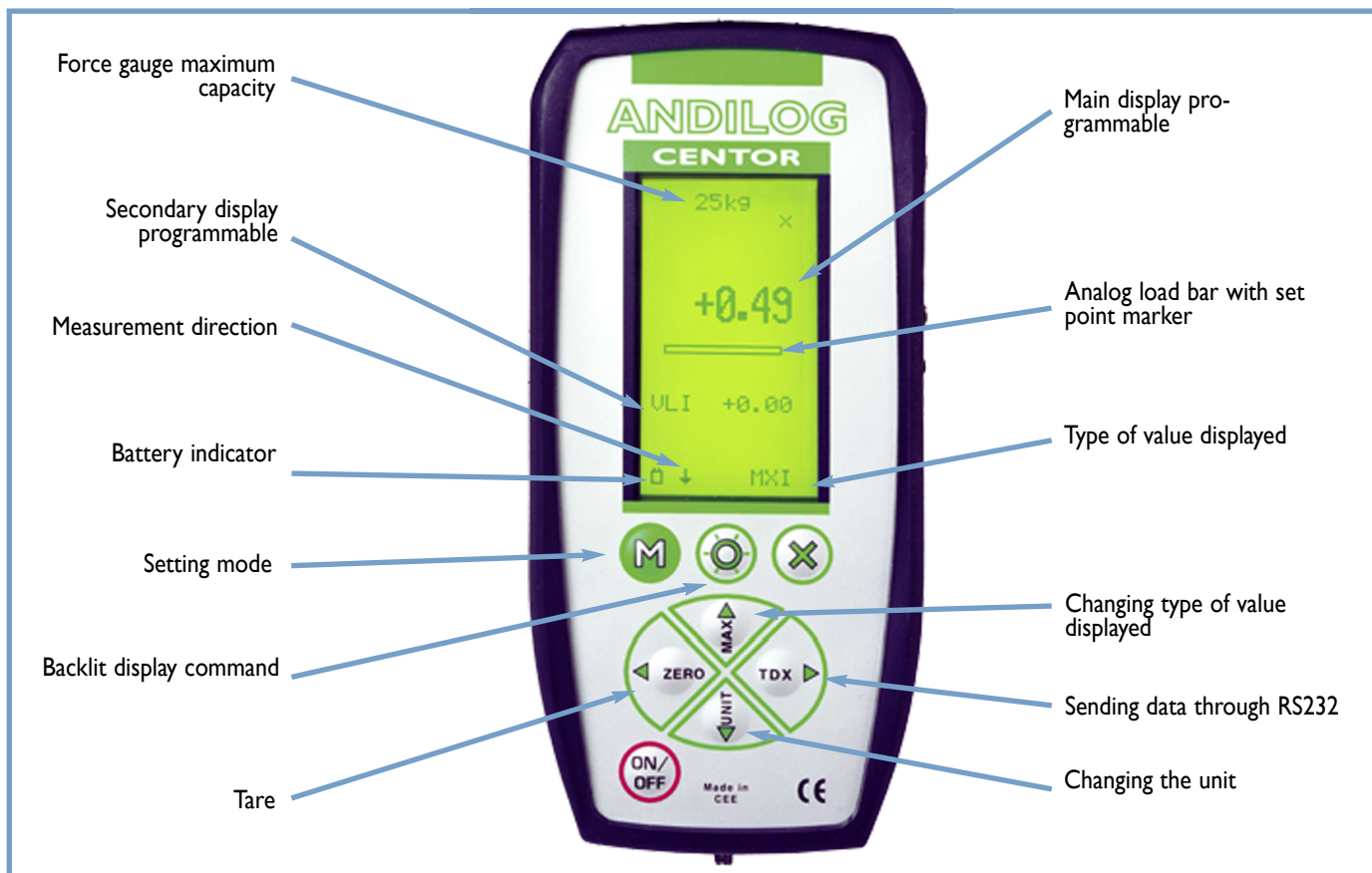
FEATURES

Accuracy
Resolution
Sampling rate
Sensor protected from overloads
Auto-off
Bargraph
Measure screwing and unscrewing torque
Peak in clockwise and counter-clockwise
Display current reading and peak simultaneously
Can be used with a foot pedal (for Tare feature)
Set point features
Average and Standard deviation
Memory
Reversible display
Operates on rechargeable batteries
Fast Charge
Low battery indicator
Metal casing & Protective elastomer
Table top Version
RS232 output

IMPLANTORK

0.5% Full Scale
1/10 000 FS
1 000HZ
200% FS
Adjustable from 5 to 15 min
Yes
Yes
Yes
Yes
Yes
Yes
Yes
100 Results
180°
Yes
Yes
Yes
Yes
As an option
50 values per second

Display indicator example



You want more features!



You need to have more features as: predefined calculations, graph of the test displays in real time, results and curves saved on a remote USB memory key...

These are just some examples of features that you can have by upgrading the display to our high powerful Centor TOUCH model.

With its high resolution color touch screen and advanced technologies your measuring equipment is the right solution.

Statisticals and memory features

Make all your measurements in production or maintenance directly on the force gauge.

Not need to be connected to a computer permanently, the Centor Easy stores your results. You can transfer these values for archiving once all your controls and adjustments are made.

It calculates in real time over the mean and standard deviation values of your maximum.

MES / ECH	3
OPER	01
Unite	N
STATS	MXI
Nbech	002
Moy	12.33
001	12.334
001	12.332
001	12.331
002	12.335
002	12.334
002	12.330

ANDILOG Technologies

BP 62001

13845 Vitrolles Cedex 9 , FRANCE

info@andilog.com • www.andilog.com

Phone : +33 (0) 820 888 202 • Fax : +33 (0) 820 888 902