OBYTE
Bite Force Measurement

Company Info!

Innovatios Technology is an electronics design and manufacturing company with a wide range of products dealing in cutting-edge technology. We are building next-generation automation solutions and products capable of solving day-to-day problems of industry.

BYTE - Bite Force Measurement Device

innovatiOS TECHNOLOGY
ENGINEERING THE FUTURE

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BYTE Device

Introducing BYTE: Bite Force Measurement Device, a cutting-edge digital device that can measure the bite force accurately and reliably. This device is essential in restorative & implant dentistry for diagnosis & treatment planning. It can also evaluate the masticatory system function and its relationship with oral and general health. In dental research, it is used to assess the efficacy of various dental procedures and study the effects of deformities and pathologies on the masticatory system.

"Measure with precision, improve with confidence – the ultimate bite force measurement device.

Revolutionize your dental practice with BYTE!"

Features

>>Weight, Force, Pressure measurements
>>0.96" OLED for display
>>Auto-sleep mode & wake-up on press of button
>>Live readings/data on Android App
>>Rechargeable 2,200mAh Battery
>>Micro-USB Charger

PRODUCT DETAILS

BYTE

PRODUCT: Bite force Measurement Device
PART NUMBER: INTMD001
WEIGHT: 900G
DIMENSIONS: 150mm x 100mm x 70mm

Contact Us

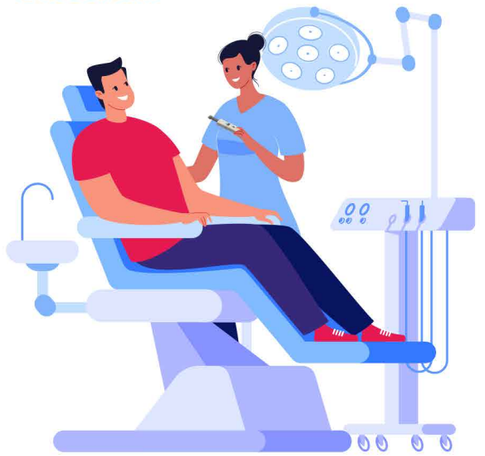
This digital device is hand-held, lightweight, easy to use, and disinfect. This device's reliability, accuracy, wireless capability, upgradeability, and affordability encourage its application in an experimental and clinical setting.

For diagnosis and treatment planning in restorative dentistry, & selection of implant size, number, and prosthetic design in implant dentistry.

To assess the efficacy of various dental procedures like prosthesis, restoration, orthodontic treatment, and jaw fracture treatment.

To evaluate and understand the masticatory system function and examining the relationship between oral and general health.

Directions



1. Subject should be seated upright with back well supported, without head support, Frankfurt plane parallel to the floor, and feet resting on the floor. Before recording, individuals should be trained to perform their highest possible bite force without moving their head for 3-4 sec. Rest period of 1 min between multiple recordings to avoid fatigue of masticatory muscles.
2. To operate the device first we must switch on the device. The OLED screen will lighten up and it will show "connect the device." Also, the BLE indicator will blink. Now we must connect the device to the software preinstalled either in the mobile phone or laptop through Bluetooth. At first time it will take a minute or two for this setup. Later, both the devices will connect instantly as soon as the software will be opened and the WIFI is on. And when both devices are connected BLE indicator will remain stable. Now the OLED screen and the software both will show a force, pressure, and weight 0 in newton, psi, and kg respectively. Now the device is ready to take the measurements.
3. A disposable polyethylene plastic bag sleeve must be put on the biting portion of the head part and then the biting circular part will be kept on the tooth where we want to take the record of maximum biting force. As this is a single-tooth variant, placing it directly between the concerned teeth will measure the biting force of that tooth. And if we want to measure the maximum biting force of the segment, that group of teeth, or that quadrant, then we can use the acrylic stents. So as soon as the individual will start biting on that circular biting platform OLED screen and the software will instantly show changes in the reading. When the patient will stop biting, readings will return to zero.