

# iBite<sup>®</sup> Pro: Bite Force Sensor



The iBite<sup>®</sup> Pro force sensor is an updated version of the popular iBite force sensor we used to offer.

It allows a physician or researcher to measure the bite forces that a patient can exert. It can be used to quantify, evaluate and study the progress made by a patient before and after surgery.

The base sensor is a force sensor with a mV/V output. It can be purchased as a complete, ready-to-use USB, Wireless or Analog kit that includes a Bite Force Sensor, an Interface (analog, USB or wireless interface) and for digital kits it includes the LV-1000 software to display, log and plot data in real time.

The kit comes fully calibrated in compression mode with traceability to NIST standards. This device has not been approved by the FDA for use on patients and is primarily a tool for R&D and training purposes.

This product is intended for laboratory research purposes only. It is not intended for clinical applications, or diagnostic procedures. This product has not been reviewed, cleared, or approved by the U.S. Food and Drug Administration (FDA) or any other regulatory agency.

## Sensor Specifications

Parameter	Specification
Measurement Range	100 kg/220 lb
Input Power	5 VDC (via USB or 9 VDC Power Adapter)
Output Signal	Between 0.5 to 2 mV/V
Connection - Cable	3m, 2mm diameter
Current	< 10 mA
Power Consumed	< 50 mW
Accuracy	+/- 1% of full scale
Resolution	+/- 0.1% of full scale
Temperature Range	-10C to 40C
Material	Stainless Steel
Use Method	Cover sensor in plastic sleeve before use. Gently wipe metal surfaces and sensor with an alcohol swab to disinfect.

**NOTE:** Ten iBite caps and ten disposable sleeves included with purchase.

## Recommended Interfaces



DI-1000U  
Digital Sensor Interface



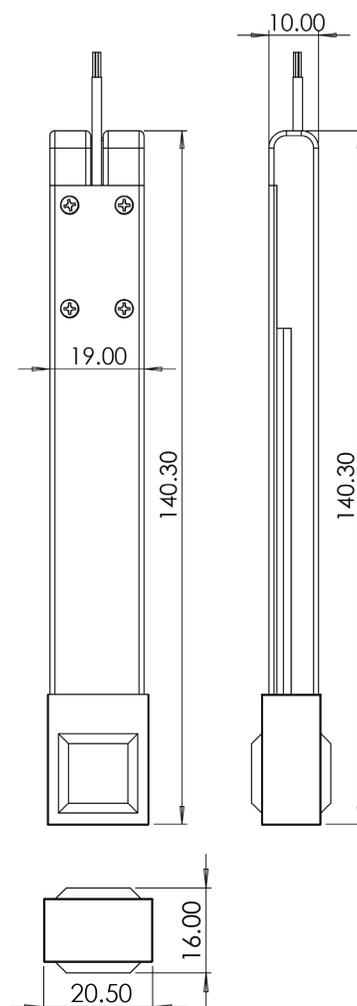
DI-1000ZP-5V/DI-1000WiFi-5V/  
DI-1000BLE  
Wireless Sensor Interface



AI-1000/AI-1000-CV  
Signal Conditioner



DS-3000-Pro/DS-4000-Pro  
Touch Screen Display



## Wiring Information

Cable Color	Code
Red	5V
Black	Ground
Green	Signal -
White	Signal +

## Ordering Information

SKU	Capacity
iBTP-002M-S	2 kg
iBTP-005M-S	5 kg
iBTP-010M-S	10 kg
iBTP-100M-S	100 kg
iBTP-Cap	25 pieces
iBTP-Sleeve	100 pieces

## Wireless Configuration



## USB Configuration



## Touch Screen Display Configuration



## Analog Configuration

