



## In Mouth Cavity Force by Air and Displacement Server Measurement System

2-3

Biomechanics Industry

**Features:**

- Dynamic Force Sensor
- Force Sensor Response 5 mSec
- Air Force Actuator and Server Controller
- Controller Setup by Plane or Exterior

**Applications:****Description:**

Analysis of the Force and Impact on Teeth.



## In Mouth Cavity Force by Air and Displacement Server Measurement System

### Specification:

- Subminiature Dynamic Force Sensor
  - Strain Gage Type
  - Max: 20 Lbs
  - Rise Time: 5 mSec.
  - Linearity < 0.2% F.S.
  - Sensitivity: 2mV/V F.S.
  - Amplifier Linearity 0.1%
- Subminiature Displacement Sensor
  - Type: LVDT
  - Stroke: 5 mm
  - Amplifier Linearity 0.1%
- Electro-Pneumatic Actuator
  - Force: 50 N
  - Response Time: 300 mSec.
  - Stroke: 5mm
- Force Servo Controller
  - Error 0.5% F.S.
  - Manual or External 0 ~ 5V



2-3

Biomechanics Industry

