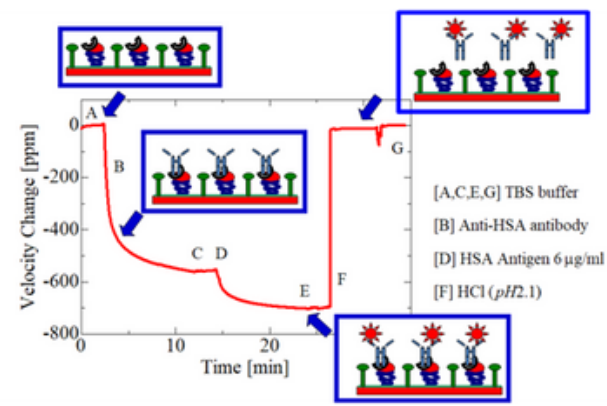


Real Time Measurement of Amplitude Change and Velocity Change



SAW Chip Specifications

Features	Description
Size (LxWxH) / Weight	23 x 10 x 2 mm (Typ.) / 0.47 grm (Typ.)
Center Frequency	250 ± 2 MHz
Delay Time	1.2 µs ± 0.2 µs
Insertion Loss (bare chip)	24.2 dB - 32.5 dB
SAW Chip Substrate	Quartz
Sensor Surface	Gold
Pipetting Volume	5 µL (Typ.)
Sample Area Black Resin	Epoxy
Sensor Channels	Two

- Notice for SAW chip**
- Use within 12 hours after opening a plastic package
 - Do not touch the sensor surface
 - Do not reuse SAW chips
 - Do not contaminate the electric terminal area
 - Dispose of as industrial waste in accordance with the regulations



tst biomedical electronics Co., Ltd.
 TEL: 886 -3-4690038 #202 or #904

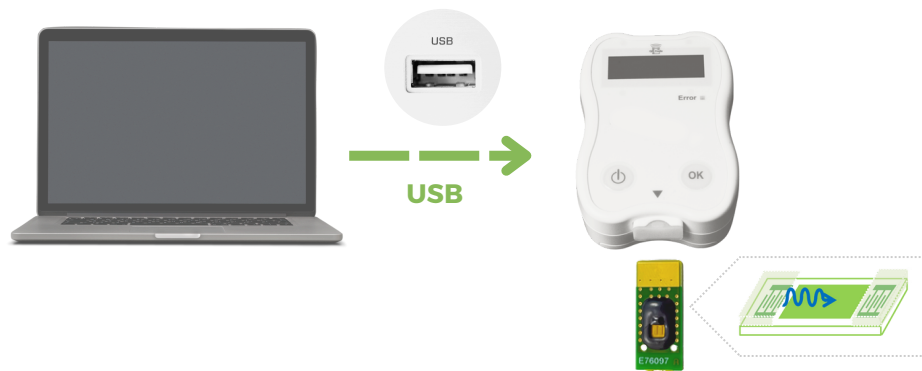


tstbio[®] SAW Biosensor

- Immunoassay analyzer
- Molecular internation for your research
- Development of your products



SAW Open Platform



- Reader (with USB cable)
- Software on PC
- Protocol for immobilization
- SAW bare chip

Features

- 250 MHz SH-SAW measurement
- Small sample volume (3~5 μL)
- Manual pipetting
- Palm-sized Reader

Notice for Platform Reader

- Wait 10 minutes after reader turn on for warm up (check it at your test environment)
- Place on a flat surface
- Do not contaminate the electric terminal area

Platform Reader Specifications

Features	Description
Size (LxWxH)	107 x 73 x 30 mm (Typ.)
Weight	185 gram
Battery	Four AAA alkaline batteries
Signal Detection / Frequency	RF burst signal / 250MHz
Modes: 1. Stand Alone Operation 2. Real Time Measurement	Modes: 1. Measure concentration 2. Measure velocity (phase) and amplitude
QR Code Reader	Need to use for stand alone operation
Measurement Interval	0.125 seconds for 2CH
Number of Test Channels	Standard: two channels
Operating Conditions	Temperature: $25 \pm 10^\circ\text{C}$, Humidity: $40 \pm 30\%$
Software for PC	Platform Viewer Ver. 2.0.2.1
Software Version	Ver. 2.01.214C
SAW Chip	Bare chip (provided by tstbio) / Other (provided by tstbio)

Gold Surface for Immobilization

