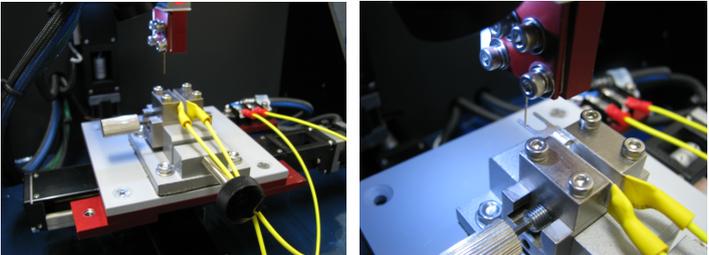




# MS7500

## Contact resistance measurement system

Moving range : X, Y, Z co-100mm (if option is installed there is no)  
 (Resolution 0.01mm, Accuracy 0.01mm or less) Step motor drive system  
 Set load : 0~1000g Resolution 0.1~10g (By the measurement system)  
 Contact resistance : AC four-terminal method  
 (open-circuit voltage 20mV / measurement frequency 1kHz)  
 Gauge head : Maximum 5φ, Minimum 0.1mm Mounting possible  
 External dimensions : W320 \* H337 \* D390 (It does not include projections)  
 Material : Hard processing aluminum  
 Gross weight : About 14Kg (It does not include a low resistance meter)  
 Quiescent current : 100VAC 50/60Hz Max300W  
 I / F : USB  
 OS : WindowsXP\_32bit/Vista/Windows7\_32bit

<p>1. MS7500 Standard body(4 evaluation software included)</p>	<p>List price ¥4,300,000 ~</p>
<p>2. Film breakdown measurement (control power supply and software included)</p> <p>It is used to verify the process that destroys the insulating coating that cause poor contact and high resistance.          It is possible to set the three elements of the destruction of a destructive current rise process in the destruction and load rise process of voltage rise process as the setting</p>	<p>List price ¥1,980,000 ~</p> 
<p>3. Dedicated acrylic cabinet Options in other than the supplied plastic cover</p>	<p>List price ¥150,000 ~</p> 
<p>4. Probe automatic cleaning equipment Automatic cleaning system of the measuring probe in the various parameters</p>	<p>List price ¥950,000.~</p> 
<p>5. Fretting wear test for vibrating device Vibrational frequency 1 ~ 1KHz/Timer 59h,59m,59s Output waveform/Sine wave/Triangle wave/Square wave Acceleration display 0~5G:m/s</p>	<p>List price ¥1,250,000.~</p> 
<p>6. Fixing micro vice Scissors fixed to measure the jig with a terminal if the measured sample of small things and variant.</p>	<p>List price ¥55,000 ~</p> 

# Measurement Software Overview

## Contact resistance measurement

- System 1 Measured by the constant load.
- System 2 Measurement of a load change.
- System 3 Measurements in the low-speed sliding.
- System 4 The measurement over time.

Measurement range	30mΩ	300mΩ	3Ω	30Ω	300Ω	3kΩ
Resolution	10μΩ	100μΩ	1mΩ	10mΩ	100mΩ	1Ω
Measurement current	7.4mA	1mA	100μA	10μA	5μA	1.5μA

## Film breakdown measurement

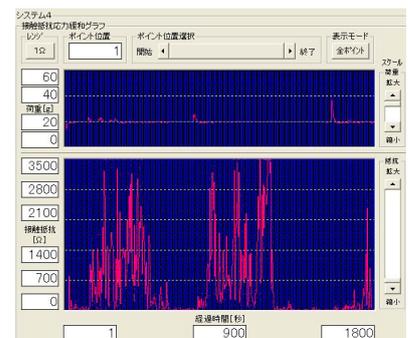
- System 1 The measurements for load change.
- System 2 Measured with respect to the voltage change.
- System 3 Measured against the current change.

### Power Options

- ① 36V(max) 0.1A(max) 0.1mA Resolution
- ② 40V(max) 10A(max) 10mA Resolution
- ③ 60V(max) 14A(max) 10mA Resolution
- ④ 160V(max) 2.4A(max) 1mA Resolution

## Vibrator

- Frequency 1 ~ 1000 Hz
- Timer 59 hours 59 minutes 59 seconds
- Output waveform Sine wave Triangle wave  
Square wave
- Acceleration display 0 ~ 5 G : m/s



Tin contact Fretting phenomenon