



## Measurement of piston amplitude

### OUTLINE / PREVIOUS

**Customer : Automobile components manufacturer**

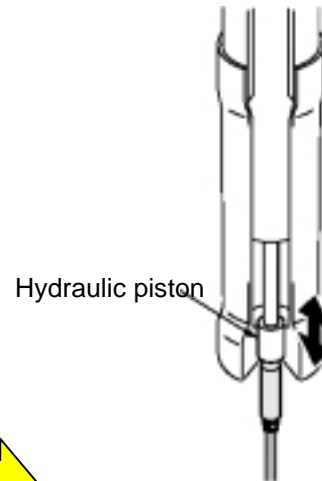
**Machinery : Injector vibration test machine**

This is a performance test machine to measure the amplitude of hydraulic piston by random inspection after assembling injectors.

### PROBLEM

A high-performance sensor is needed because a hydraulic piston works at low amplitude and high speed.

### SOLUTION



### MODEL / HOW TO

**GP-XC5SE GP-XAiM**  
 Displacement output signals are loaded from the controller into PC with the RS-232C cable. An intelligent monitoring software **GP-XAiM** enables you to identify waveforms in the data and confirm there is no failure.

### BENEFIT 1

**Stable detection with high-speed sampling and high-precision**

Stable detection is possible for **GP-XC5SE**. Because of its 25us ultra high sampling speed and high precision of 0.04% F.S.resolution ( 0.4 um ).

### BENEFIT 2

**Saving measurement data to PC is possible**

The controller is equipped with the RS-232C communication connector. It is capable of various controls such as saving measurement data to PC and various settings from PC and so on. Monitoring of waveform on PC is very easy by using **GP-XAiM**.

### BENEFIT 3