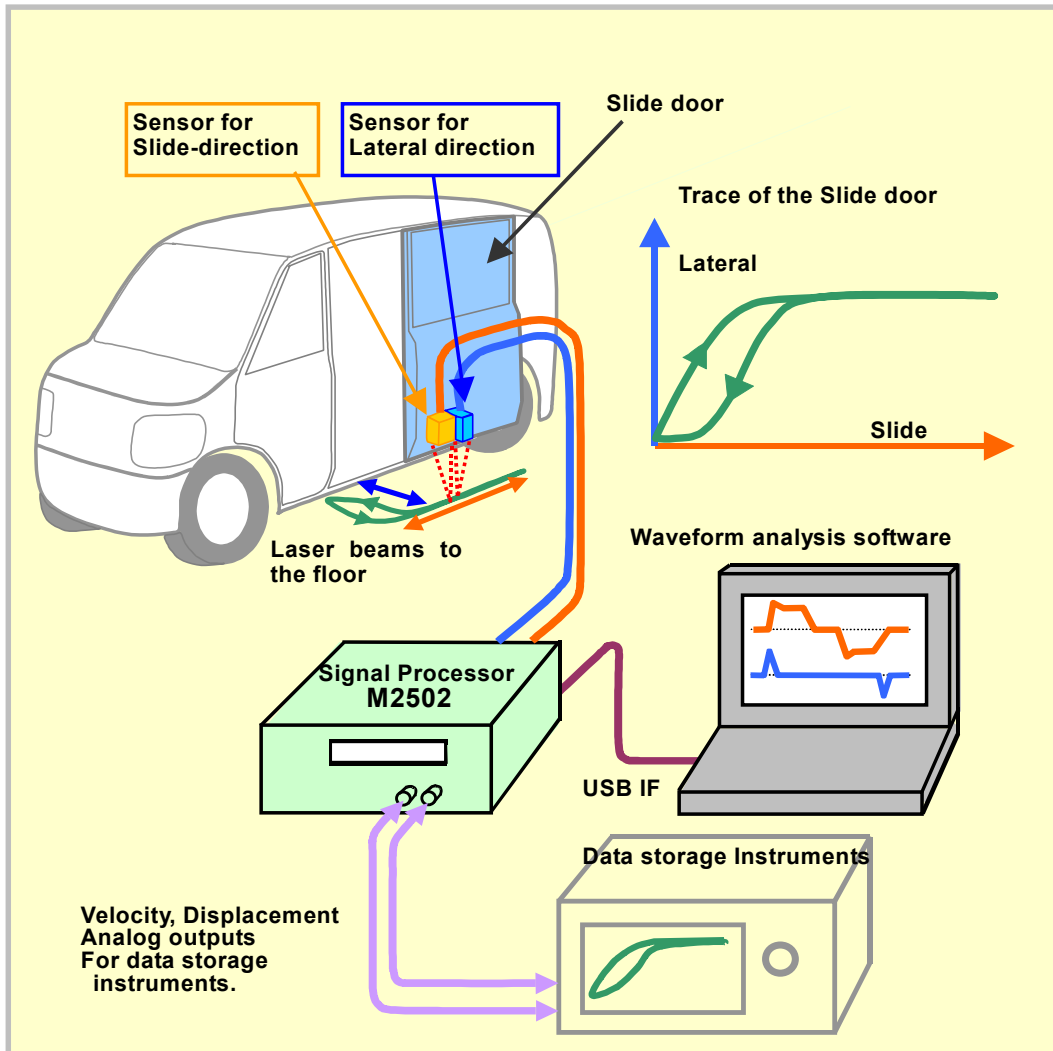


MODEL-2502 Application

- **Automobile: Trace measurement of a slide door**



The figure pictured above is a diagram of the **trace measurement of a slide door** of automobile, by using **2-channel Laser Doppler Velocity Meter MODEL-2502**.

Each Doppler sensor is set to the following directions; the one sensor is set to the longitudinal direction for sliding, and the other one is set to the lateral direction for sliding.

Then the sensors emit laser beams to the floor.

For the measurement figured above, 2-channel simultaneous measurement is available for **accurate trace measurement of slide door**, by using two sensors of MODEL-2502.

MODEL-2502 uses the optical method for velocity measurement. This method is **Non-contact measuring** system therefore the measurement does not require the alignment of axes and coupling such as for a rotary encoder.

The measurement result by using this system **has no interference from colors and any other status on the surface of the object**, and also this optical measuring method does not apply any pressure on drive mechanism. This feature is available for detecting imperceptible value of velocity variation.