

MODEL 2001

SIGNAL PROCESSOR

Non-Contact Laser Doppler
Compact Scaler



Wide Speed Range, include "0" Velocity
High accuracy on length measuring

At an amazing price!

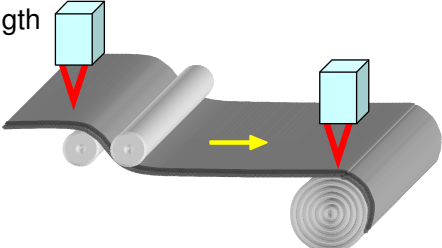
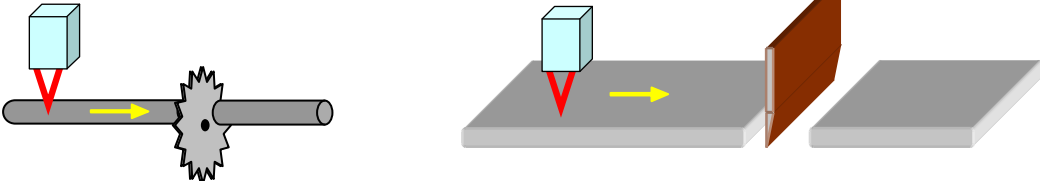
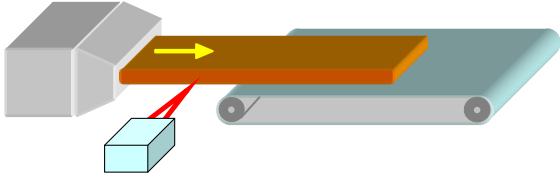
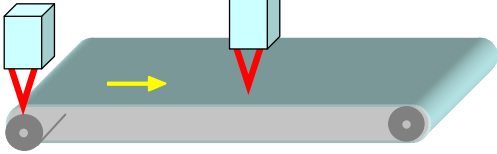
For Continuous Carrier Production Line
And also available for any other production line.

The Features of Non-Contact Laser Doppler Meter;

- 1) The products is not damaged in measurement, therefore safe for a soft material.
- 2) No error of measurement by a slip, colour, or any other surface status of an object.
- 3) The genuine speed and length are detected by using this measurement system.

This Compact Scaler is an effectual measurement system to make the quality and yield higher, and the cost lower.

Examples

<p>(1) Measurement of the transportation velocity and rolling length for film, paper, or other sheet. さ測定</p>	
<p>(2) Measurement of the length of electric wire, pipe, steel plate or cut length line</p>	
<p>(3) The velocity control and observation of taking-up point on the extrusion molding machine for building material, rubber, plastic or others.</p>	<p>(4) The velocity and wow-flutter measurement of convection belt or roller.</p>
	

Specifications

Doppler Sensor MODEL 1101, MODEL 1101H, or MODEL 1101M	
Measurement system	Laser Doppler system, back-scattering differential type
MODEL 1101 High-sensitivity L=100mm	Focus distance Optimal position at 100±8mm
Accuracy	Measurement range: 1 to 900m/min (0.02~15m/sec) (at SF=4.4)
Repeatability	Less than ±0.2%
Power supply	Supplied from MODEL 2001
Laser power	Class 3B : 40mWmax·CW·Laser Diode 780nm
Beam spot	Approx, long: 3mm, diameter: 5mm, oval, Collimated
Dimensions, Weight	70(W)x35(H)x120(D), excluding projections Approx, 0.5kg

Signal Processor MODEL 2001	
Velocity voltage output	16bitD/A, 0V to 4V selectable
Pitch output	0.05mm to 100.00 mm, resolution 0.01mm A or B phase difference output, or O, C difference output
Other functions	Interpolation and velocity averaging function (2 to 4096)
Parametric setting	Set through USB I/F or control unit
Dimensions Weight	200(W)x70(H)x262(D), Approx, 1.2kg

Options

- (1) Control Unit CU2001: for parametric setting...as figure 1
- (2) High sensitivity sensor MODEL 1101H: for clear film
- (3) Mirror reflection sensor MODEL 1101M: for metallic material

Figure 1 Control Unit CU2001: for parametric setting

