

High Speed Material Test System

206 SERIES Load Sensing Block Type



Wide-Range

Wide range of strain speed tests can be performed.

Hi-Accuracy

Accurate data is detected.

Flexible

Both tension and compression testing can be performed.

High Speed Material Test System

Covers a wide range of strain speeds from the quasi-static deformation zone to the high-speed deformation zone. Test system allows accurate and easy measurement of stress-strain characteristics.

Uses unique "sensing block system" for load detection.

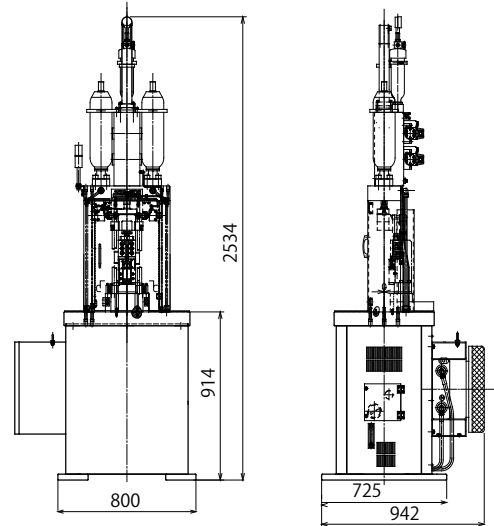
Not easily influenced by stress reflection waves, allowing accurate measurement during high-speed deformation.

Equipment Specifications

Model 206-			10	20
Max. load	Tensile load	kN	5	10
	Compressive load	kN	10	20
Strain rate range		s ⁻¹	10 ⁻² to 10 ³	
Displacement speed range		cm/s	0.004 to 500	
Maximum elongation measuring quantity		mm	10	
Calibration accuracy		%F.S.	Load ±1, elongation ±1.5	

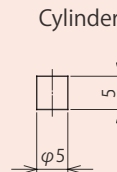
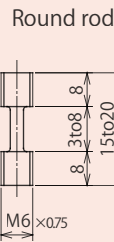
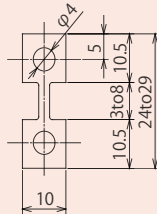
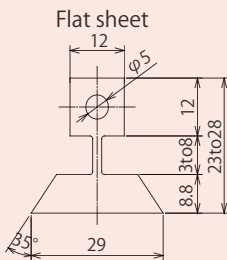
- Data Processing
- Load - time diagrams
 - Displacement - time diagrams
 - Load - displacement diagram
 - Nominal stress - nominal strain diagram
 - True stress - true strain diagrams
 - Elastic coefficient, yield stress (tensile strength), breaking load
 - Absorption energy

Dimensions

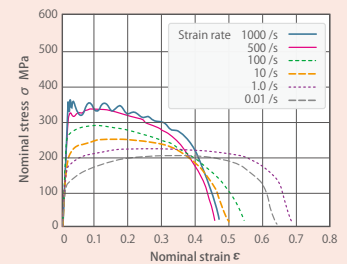


Test Piece

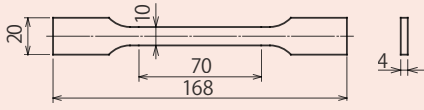
Metal



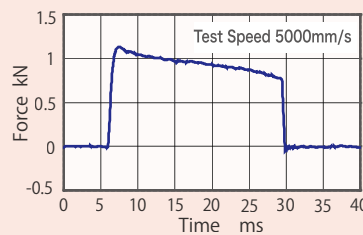
Example



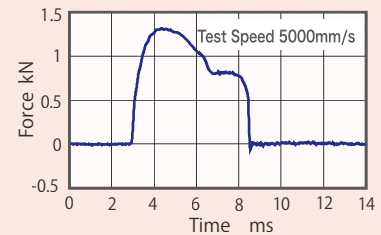
Plastic



Example1



Example2



This product was developed using technical resources from Professor Emeritus Tanimura of Osaka Prefecture University.

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NOTES FOR SAFETY

Failure to read and follow all instruction carefully before installing or operating the product could cause personal injury and / or property damage.

Specifications are subject to change without notice.