

## HBU 523 *Gabometer*® Series up to ± 4000 N

Temperature range	RT to 300°C -160°C to 300°C with LN <sub>2</sub>
Drives	Two, independent of each other: <ul style="list-style-type: none"> <li>■ Servo motor for static force</li> <li>■ Electrodynamic shaker for dynamic force</li> </ul>
Static force	Up to ± 6000 N
Dynamic force	HBU 523 <i>Gabometer</i> ® 2000 up to ± 2000 N HBU 523 <i>Gabometer</i> ® 4000 up to ± 4000 N
Force measurement	User-exchangeable force sensors (various load ranges up to ± 12000* N)
Static deformation	Up to 70 mm
Dynamic deformation (amplitude)	Up to ± 15 mm
Frequency range	<ul style="list-style-type: none"> <li>■ 30 Hz</li> <li>■ 0.0001 Hz to 100 Hz (optional)</li> </ul>
Measurement types	Flexometer test Blowout Test
Temperature Measurement	<ul style="list-style-type: none"> <li>■ PT100 inside furnace</li> <li>■ Typ K at sample surface</li> <li>■ Automatic vertical needle thermocouple for core temperature (option)</li> <li>■ Manual horizontal needle thermocouple for core temperature (option)</li> </ul>
Automatic sample length determination	Yes
Options	<ul style="list-style-type: none"> <li>■ Automatic sample changer: type ASC or MPAS</li> <li>■ Measurement of Young's modulus</li> </ul>

\* The instrument allows for measurements up to 10000 N.