Micro-Indentation Tester µIT-1

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With pressing a conical indenter against a small sample, creep behavior can be measured under high temperature. In material science, **creep** (sometimes called **cold flow**) is the tendency of a solid material to move slowly or deform permanently under the influence of mechanical stresses.

With the Micro-Indentation Tester based on new principles, this system does not require large samples like past systems.

Sh01 Applications

• Filler effect of normal metallic materials, intermetallic compounds, and various organic materials

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Features

• Acquires mechanical property values from simple shapes and small samples

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- Select the measurement area and acquire the mechanical properties at that area
- Capable of easily achieving high temperatures and high stress

Specifications

Micro-Indentation Tester	
Туре	μIT-1
Measurement	Creep characteristic value
Properties	
Temperature Range	RT to 800 °C
Sample Size	5 mm square cube or φ 5 mm x 5 mm length
Measurement	Vacuum or inert gas
Atmosphere	
Displacement	0.05µm
measurement resolution	
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Char	

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