

# Technical Specifications

# NETZSCH

	HMOR 422 D/3	HMOR 422 E/4
Bending mode	3-point	4-point
Temperature range	RT to 1500°C	RT to 1450°C
Furnace	Chamber furnace with pre-heating zone	Swing-open furnace
Thermocouples	Type S	Type S
Mode of operation	Continuous	Single measurement
Test piece dimensions	150 mm x 25 mm x 25 mm	45 mm x 4.5 mm x 3.5 mm
Distance between support edges	125 mm	40 mm
Distance between 4-point bending edges	N/A	20 mm
Loading device with movable weight	<ul style="list-style-type: none"> <li>▪ Weighing lever</li> <li>▪ Load range: 0 ... 500 ... 1250 ... 2500 ... 5000 N;</li> <li>▪ Load rate: 4 speeds (2, 4.2, 8, 12 N/s)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Weighing lever</li> <li>▪ Load range: 0 ... 500 ... 1250 ... 2500 ... 5000 N;</li> <li>▪ Load rate: 4 speeds (2, 4.2, 8, 12 N/s)</li> </ul>
Measurement deformation	Inductive system with reference rod (optional)	Differential measuring system (standard)
Measuring range	Max. 10 mm	Max. 5 mm
Digital resolution	2.5 nm	1.25 nm
Constant deformation rate	Optional	N/A
Load rate	10 ... 2000 µm/min	N/A
Electrical supply furnace	3 x 400 V/N/PE, 50/60 Hz	230 V, 50/60 Hz
Electrical supply electronics	230 V/10 A, 50/60 Hz	230 V/10 A, 50/60 Hz
Measuring unit dimensions	2200 x 1800 x 870 mm; 540 kg	2100 x 1600 x 750 mm; 430 kg
Control unit dimensions	1120 x 565 x 452 mm; 250 kg	1120 x 565 x 452 mm; 250 kg