

Technical Specifications

NETZSCH

	EPLEXOR® HT 25 N	EPLEXOR® HT 100 N	EPLEXOR® HT 150 N	EPLEXOR® HT 500 N
Dynamic force range	± 25 N (50 N)*	± 100 N (200 N)*	± 150 N (300 N)*	± 500 N (1000 N)*
Static force range	150 N (Optional: 1500 N)	1500 N	1500 N	1500 N
Dynamic strain	± 1.5 mm (3 mm)*	± 1.5 mm (3 mm)*	± 1.5 mm (3 mm)* Optional: ± 3 mm (6 mm)*	± 1.5 mm (3 mm)* Optional: ± 6 mm (12 mm)*
Static displacement	Up to 60 mm	Up to 60 mm	Up to 60 mm	Up to 60 mm
Frequency range	0.001 Hz to 100 Hz Optional range: 0.0001 to 200 Hz	0.001 Hz to 100 Hz Optional range: 0.0001 to 200 Hz	0.001 Hz to 100 Hz Optional range: 0.0001 to 200 Hz	0.001 Hz to 100 Hz Optional range: 0.0001 to 200 Hz
Temperature	RT to 1500°C RT to 1000°C RT to 500°C Optional**: -160°C to 500°C	RT to 1500°C RT to 1000°C RT to 500°C Optional**: -160°C to 500°C	RT to 1500°C RT to 1000°C RT to 500°C Optional**: -160°C to 500°C	RT to 1500°C RT to 1000°C RT to 500°C Optional**: -160°C to 500°C
Cooling devices for 500°C furnace	LN ₂ (down to -160°C) or pressurized air (-60°C to 300°C)	LN ₂ (down to -160°C) or pressurized air (-60°C to 300°C)	LN ₂ (down to -160°C) or pressurized air (-60°C to 300°C)	LN ₂ (down to -160°C) or pressurized air (-60°C to 300°C)
Max. heating rates for 1000°C/1500°C furnaces	50 K/min (up to 1000°C)	50 K/min (up to 1000°C)	50 K/min (up to 1000°C)	50 K/min (up to 1000°C)
Heating time during ballistic heating	30 min between RT and 1500°C	30 min between RT and 1500°C	30 min between RT and 1500°C	30 min between RT and 1500°C

* Peak force (peak-to-peak)

** A low-temperature and a high-temperature furnace can be mounted together on the frame for EPLEXOR® HT instruments.