

DILATOMETER

Sr#	Description	Qty
1	Dilatometer (Horizontal) <ul style="list-style-type: none"> • Single Push-Rod System • Temperature Range: -180 up to 1000°C • Delta L resolution: 0.03 nm • Measuring range: $\pm 2500 \mu\text{m}$ • Sample holder: SiO_2 & Al_2O_3 sample holders as hollow tubes & massive rods • Sample length: max. 50 mm • Sample Dia: 7/12/20 mm (all options required) • Automatic sample length detection • Contact Force: 10 mN up to 1 N Temperature: <ul style="list-style-type: none"> • Accuracy/Precision/Resolution: 1K/0.1K/0.001K • Thermal Stability: $\pm 0.02\text{K}$ • $\Delta\text{L}/\text{Lo}$ Repeatability: 0.001% • $\Delta\text{L}/\text{Lo}$ Accuracy: 0.002% • Force Resolution: 0.001 mN • Gas atmosphere: Inert, Oxidation, Reduction, Vacuum Environment with pumping system, Liquid Nitrogen method • Operation, Maintenance and technical documents must be provided in English • Computer system (core i7/latest) with Latest Windows and licensed dilatometer software (CD with license key) 	One
2	Heating Elements (Thermo coax)	10
3	Temperature Sensors Type K	10
Notes: <ul style="list-style-type: none"> • Recommended Origin: Europe, Japan, USA • No Chinese, Korean, Malaysian or Taiwan Origin will be acceptable • One week training of client's representatives at supplier's works is required 		