NGB · 0217 · Technical specifications are subject to change.

Key Technical Data



| | TG 209 <i>F1</i> Libra® |
|--|---|
| Design | Top-loading |
| Temperature range | (10°C) RT to 1100°C |
| Heating rate | 0.001 K/min to 200 K/min |
| Cooling time | In nitrogen: \approx 12 min from 1100°C to 100°C In helium¹: \approx 5 min from 1000°C to 100°C |
| Max. sample weight/ measuring range | 2 g (including crucible) |
| TGA resolution | 0.1 μg |
| Motorized sensor | Motorized sensor for easy and safe handling |
| Interchangeable sample carriers | For standard applications, high-volume samples and large masses; high sensitivity for functions such as <i>c-DTA</i> *; special coatings for high resistance to corrosive gases |
| Vacuum-tightness | 10 ⁻² mbar (1 Pa) |
| Gas atmospheres | Inert, oxidizing, reducing, measurements under vacuum (for tests such as rubber analysis) |
| Gas flow control | Three integrated mass flow controllers for purge and protective gases |
| AutoVac | Automatic evacuation and refilling of purge gas (optional) |
| Temperature calibration | c-DTA®, also for detection of endo- and exothermal effects; Curie standards |
| Crucibles | Pt, Al ₂ O ₃ , Au, SiO ₂ , Ag, ZrO ₂ , Al, etc.; more upon request. |
| Automatic sample changer (ASC) | Up to 192 samples (optional); various crucible types in one tray |
| Software | Comprehensive evaluation routines including SmartMode, ExpertMode, AutoCalibration and TGA-BeFlat® AutoEvaluation and Identify SuperRes® (optional) |
| Coupling to evolved gas analysis (EGA) | Optional: FT-IR and/or MS or GC-MS, integrated FT-IR (<i>PERSEUS</i> TG) |