

Simultaneous Thermogravimetric Analyzer (TG-DSC)

NEXTA STA

200/200RV/300

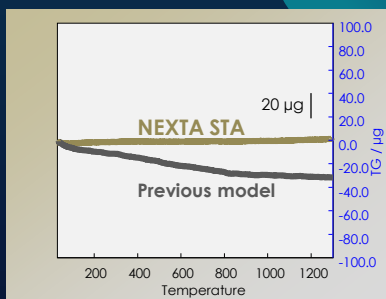
The NEXTA STA series continue to equip the "Horizontal Digital Dual Beam System", which has an established reputation for high sensitivity even with conventional thermal analyzers. A newly introduced mechanism to keep the temperature of the balance section constant eliminates small errors in weight due to changes in the heating furnace temperature. With the above technologies, the NEXTA STA achieves world-class baseline performance.



Thermal Analysis advances to the NEXT stage.

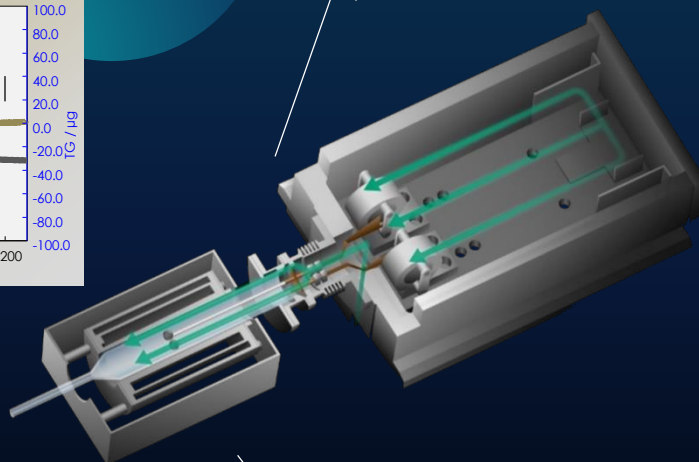
World-class Baseline Stability

A newly introduced balance design achieves less than 10 μg baseline flatness



High efficient gas exchange with redesigned gas flow path

The additional gas flow path realizes high efficient gas replacement that reaches 5 ppm of residual oxygen



TG-DSC measurement

DSC measurement in wider temperature range is available with the improvement in heat-flow-measurement precision

High level temperature control technology for various applications

Regular measurement by heating the sample at a constant rate, isothermal measurement, controlled rate thermal analysis (CRTA), and modulated temperature control are available.

NEXTA STA

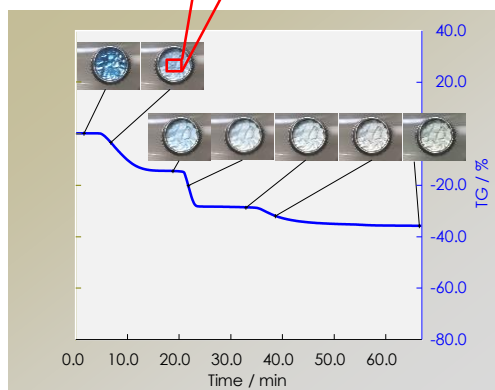
Improved Real View® option

The well-received "Real View®" option has been further developed. Not only samples observed while measurements are in progress, but various analysis features have been incorporated, such as:

- Digital zoom
- Image editing
- Length measurement
- Color analysis (RGB, YMCK and Lab)

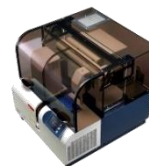


STA200RV system



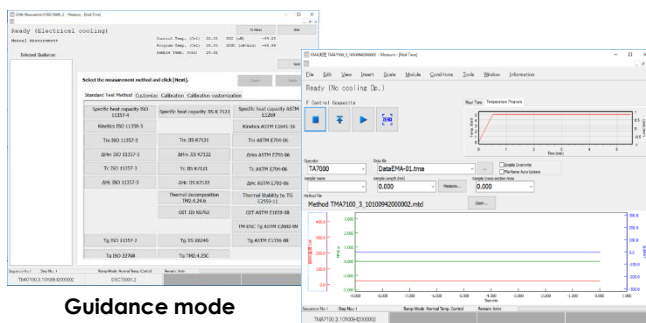
Auto sampler and safety cover option

Hitachi's auto sampler is highly rated as its accurate transportation and reliability in the market. In NEXTA STA series, the auto sampler up to 50 samples incorporates the same high reliable sample grabbing technology as conventional model.



Safety cover for auto sampler is also available (optional).

Simple and Easy-to-use Software



Guidance mode

Simple mode

In addition...

- ✓ Mass flow control as standard feature
- ✓ Standard 2 years warranty*

SPECIFICATION	STA200	STA200RV	STA300
Balance system	Horizontal Differential type		
Temperature range	Ambient to 1100 °C	Ambient to 1000 °C	Ambient to 1500 °C
Scanning rates	0.01 to 150 °C/min		0.01 to 100 °C/min
TG precision	0.1 %		
TG baseline stability	<10 µg (at 1000 °C hold in 60 min)		
TG baseline drift	<10 µg (Ambient to 1000 °C with 20 °C/min)		
DSC function	Standardly equipped		
DSC enthalpy precision	< 3 %		
Temperature accuracy	+/- 0.2 °C		
Temperature Precision	+/- 0.07 °C		
Cooling time	1000 °C to 50 °C in 20 min		
Auto sampler	Up to 50 samples available		
For safety	Safety cover for auto sampler (optional)		
Furnace compatibility	Compatible furnace between 200, 200RV and 300		
Extension Dimension	W 570 mm x D 570 x H 280 mm *Auto sampler attached: H 500 mm		

*For main unit only

