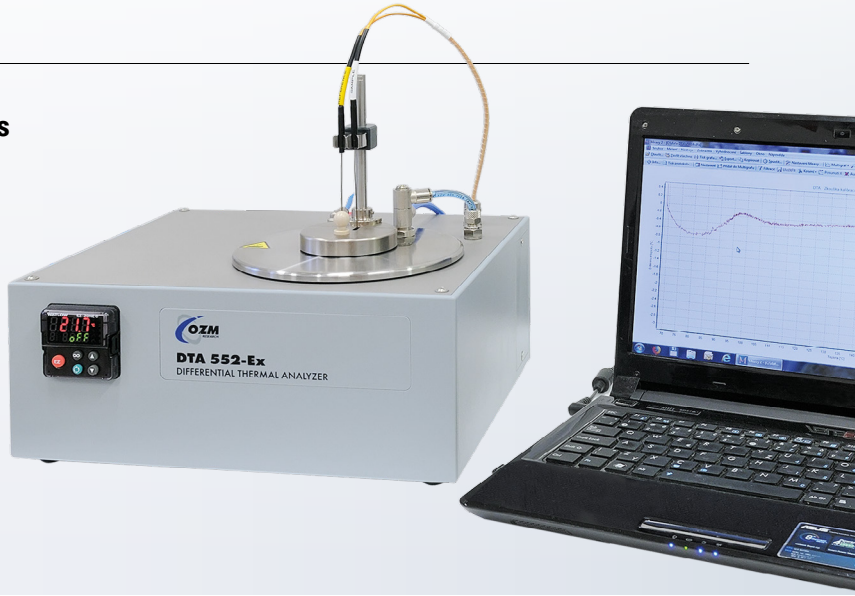
DTA 552-Ex

DIFFERENTIAL THERMAL ANALYZER

The DTA 552-Ex™ (Differential Thermal Analyzer) was developed specifically for the evaluation of thermal stability, purity (melting point), compatibility and decomposition parameters of all types of energetic materials including primary explosives or other hazardous exothermic substances.

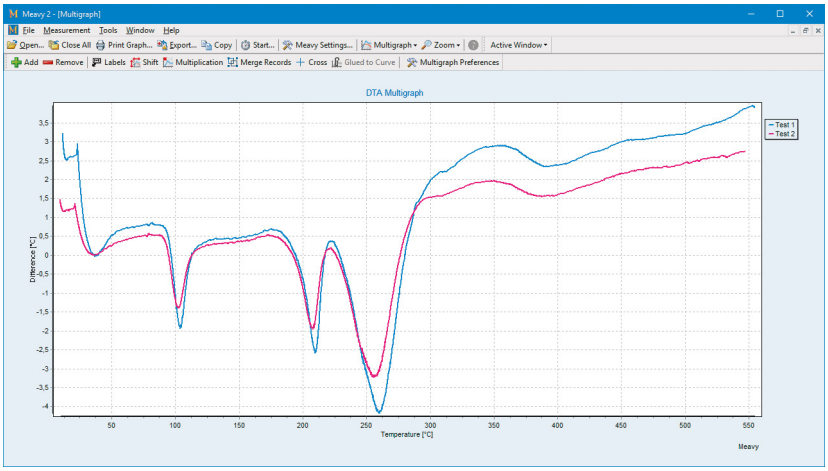
The robust design of the DTA 552-Ex makes it the ideal instrument for the characterization of explosive materials, which explosive decomposition would damage or destroy conventional thermal analyzers.



APPLICATIONS

The **DTA 552-Ex** detects and analyses thermal changes (melting, polymorph transformation, evaporation and thermal decomposition) occurring in the sample and allows for the evaluation of the thermal stability, purity, compatibility and the thermal decomposition parameters of all types of energetic materials.

The **DTA 552-Ex** is an essential instrument for quality control of energetic materials or raw materials, characterization and qualification of new compounds, in-service surveillance, research and development and many other testing programs.



MEAVY software – evaluation of results

ADVANTAGES & FEATURES

- Larger quantities (up to several hundred milligrams) provide a truly representative sample for analysis
- Variability of applicable substance forms (paste, liquid, foam and corrosive)
- High sensitivity – direct contact of the thermocouple with the sample
- User-friendly software for data acquisition, analysis and archiving
- Low costs of investment and operation

DTA 552-Ex – detail of the furnace

COMPLIANCE

- **STANAG 4515**

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VER.1.0