

AET 402

EXPLOSION TEMPERATURE APPARATUS

The AET 402™ (Explosion Temperature Apparatus) is used for the determination of the explosion (ignition) temperature of energetic materials submitted to heating.

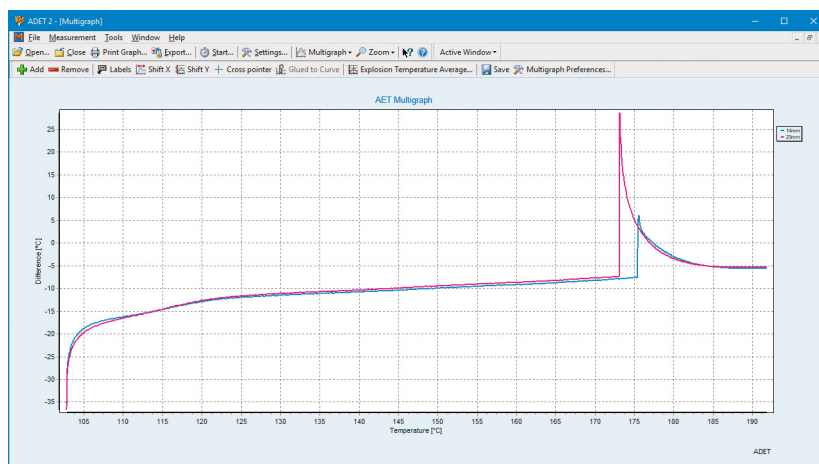
The AET 402 instrument is equipped with sensors and an automatic data acquisition unit for the automatic registering the explosion effects. This unique feature helps the operator to fully replace visual observation and provides exact testing results free of human errors.



APPLICATIONS

The AET 402 is designed for the determination of the explosion (ignition) temperature at constant heating rates or a time-to explosion in isothermal (constant temperature) mode.

The AET 402 is the most frequently used as a quality-control instrument in the manufacture of explosives, pyrotechnic mixtures and propellants.



ADET software – evaluation of results

ADVANTAGES & FEATURES

- ▶ Robust design capable of withstanding an explosion of up to several hundred milligrams of explosives
- ▶ Recognizes the decomposition regardless if it is accompanied by sound or light emission unlike classic instruments
- ▶ User-friendly software for data acquisition, analysis and archiving
- ▶ Low costs of investment and operation

COMPLIANCE

- STANAG 4491



AET 402 – detail of the furnace



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