



VACUUM STABILITY

CODE: 25015

APPLICATION :

To study the chemical sensitivity and stability of solids and liquid explosives in nature. Designed and manufactured to permit testing to UN/NATO and other similar standards for Dangerous Goods and explosives.

The instrument continuously monitors and records the pressure change in the tube containing the sample at set temperature.

The apparatus is supplied complete with heating block, glass assemblies, pressure sensors and high speed recording device with pc interface.

COMPLIANCE :

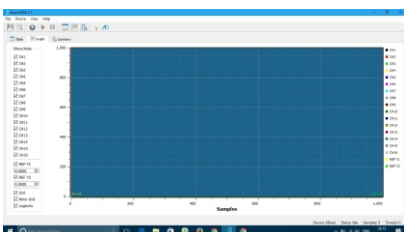
- * STANAG 4556: Explosives, Vacuum Stability Test
- * STANAG 4147: Chemical Compatibility of Ammunition Components with Explosives
- * STANAG 4022/4, 4023, 4230, 4284 and 4566 Stability tests of energetic ingredients.

SPECIFICATION

Temperature range	: 50 – 160 °C
Temperature control accuracy	: ±0.1 °C
Temp. Display Resolution	: ±0.1 °C
Pressure transducer range	: 0 to 100 kPa, accuracy: 0.25%
Barometric pressure transducer	: 80 to 120 kPa, accuracy: 0,25%
Glass Test Vessels	: 18dia x 160mmL, volume approx. 25 ml
Sampling rate	: 1 s-1
Minimal vacuum	: 0.3 kPa
Typical sample weight	: 5g

SAFETY FEATURES

- * OVER TEMPERATURE CUTOFF AND ALARM
- * OVER PRESSURE CUTOFF AND ALARM
- * TEMPERATURE SENSOR FAILURE CUTOFF
- * HEATER FAILURE TRIP AND ALARM
- * DUAL TEMPERATURE CONTROLLERS WITH ALARM FUNCTIONS IN BOTH





STANDARD ACCESSORIES/PARTS

25015-00	10 Test Block	01 No.
25015-01	Glass test vessels	12 No.
25015-02	Pressure sensors 0-100Kpa	10 No.
25015-03	High speed DAQ with PC interface	01 No.
25015-04	Barometric Pressure Sensor	01 No.
25015-05	SS conical adapter	10 No.
25015-06	10 way Manifold	01 No.
25015-07	SS Pressure sensor & Glass tube stand	01 No.
25015-08	High Speed DAQ with Software & cable	01 Set
20001-00	Rotary Vane Pump	01 No.
	Vacuum Grease 500gm	01 No.
	Glass funnel	01 No.

OPTIONAL ACCESSORIES/SPARES

25015-01	Spare Glass test vessel
25015-02	Spare pressure Sensor
25015-04	Barometric Pressure Sensor
25015-09	Spare Heaters for Block
25015-10	Temperature Sensor
	Hand Held Temp. Indicator



MODELS

- 25015-00 - Basic System with independent controls and pc based DAQ
- 25015-11 Fully automatic PLC based control with 5.7" colour Touch screen console with LAN connectivity and data acquisition speed of 1s-1. Excellent for long term stability studies

PRE-INSTALLATION ON-SITE REQUISITES

A Fume Hood with regulated air draft
 Power : 15A, 3 pin power supply
 PC or Laptop



DESIGNED & MANUFACTURED BY:



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