

# RSD Rapid Screening Device



## Rapid screening for exothermic reaction hazards

### FEATURES

- Multiple samples (up to 6 simultaneously)
- Pressure & temperature differential measurement (simultaneously)
- 10mg to 100g sample
- 30 minute test time
- High sensitivity (detects 1% DTBP in toluene)
- Thermo-kinetic quantitative data analysis
- Glass, metal, reusable sample chambers

### OPTIONS

- ✓ Cryogenic operation
- ✓ Stirring
- ✓ Dosing
- ✓ Safe gas release



- Low running cost
- Simple maintenance
- Encompass all sample types
- Differential Temperature & pressure measurement
- Quantitative & high sensitivity
- Ease of use
- Ease of data analysis
- Low Price

***thermal hazard technology***

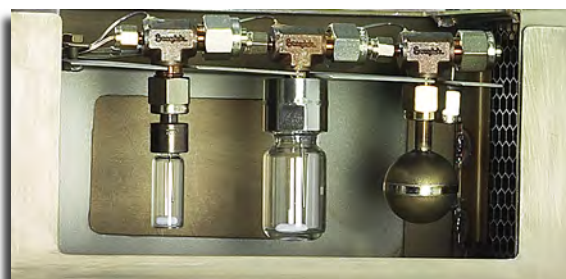
NOVEL RAPID SENSITIVE VERSATILE INEXPENSIVE

# RSD Rapid Screening Device

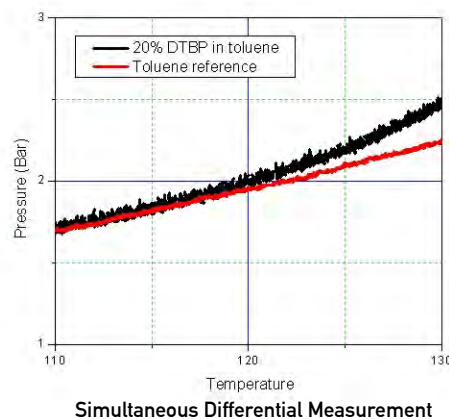
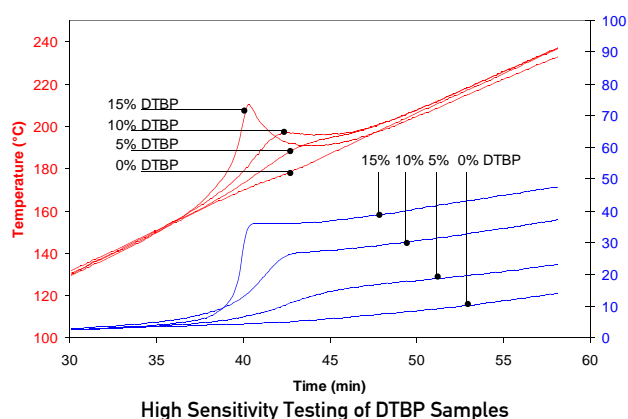


Temperature Range	-140 to 400°C
Modes of Operation	Isothermal or scanning
Scan Rate	0 - 10°C / min
Detection Sensitivity	Less than 10 J/g
Pressure Range	Up to 160 bar (alternative ranges available)
Pressure Resolution	0.2 bar
Sample Size	up to 100g or ml
Sample Quantity	1 - 6 samples
Stirring	Up to 2000rpm
Software	Dedicated Windows based control and data analysis software through serial link to PC
PC Requirements	Windows XP USB Port Serial Port Monitor Resolution 1280 x 1024
Footprint	70cm x 43cm x 40cm (width x height x depth)
Power Supply	Single phase

TECHNICAL SPECIFICATIONS



Sample containers: Glass 'HPLC' vial, Glass 10ml vial,  
Spherical ARC 'bomb' Ti, Hastelloy-C, SS-316



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