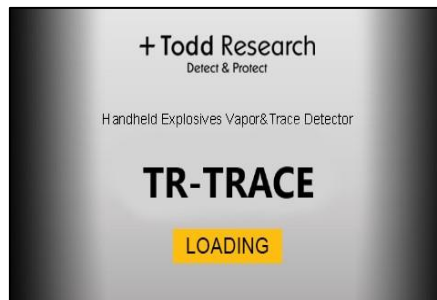




1. M-Ion detector
2. Power converter
3. Battery adapter
4. Accumulator battery
5. Battery charger
6. Operational manual
7. Heating-up module
8. Explosives test sample
9. Sample tube
10. Power cable
11. Aluminum based napkins
12. Container with paper based napkins



PRODUCT SPECIFICATIONS

Threshold sensitivity in vapor mode (for TNT at 20 °C and 80% humidity), g/cm ³	Better than 10 ⁻¹⁴ (1ppt)
Threshold sensitivity in particle mode (for TNT), pg	100
Technology	Field Asymmetric Ion Mobility Spectrometry (FAIMS)
Radiation source	NO
Calibration	Not required
Type of ionization	corona discharge
Explosives detected	TNT, RDX, PETN, ANFO, EGDN, Nitroglycerine (NG), Dynamite, DNT, Black Powder, Ammonia and Urea nitrates, HMTD, Tetryl and mixtures thereof
Alarm type	Audio and visual, with substance identification

Warm up time, minutes	not more than 1
Analysis and results time, seconds	2 - 8
False alarm rate	Less than 1%
Time of continuous work in standalone mode, hours	not less than 2
Display	109mm (4.3in) color TFT display with touch screen
Available accessories	Sampling tube, remote preconcentrator, shoulder strap for carrying M-ION
Operating temperature, °C (°F)	from minus 0(32) to +55(131)
Operation humidity at 25°C (77°F)	95% non-condensing
Operation altitude, m (ft)	up to 5000 (16 404)
Dimensions (L x W x H), mm (in)	400x160x110 (15,75x6,30x4,33)
Weight, kg (lb)	3,0 (6,61)