

Model No.	CINT -ED
Product name	Explosive Vapour Detector
Type	Hand held/Portable
Principal of Detection	FAIMS (Focusing of ions at Atmospheric Pressure in a high-field asymmetric waveform Ion Mobility spectrometer) No Radio - active source & materials . Vapour and particle Trace detection
Detectable Substances	Capable of detecting most military and commercial explosives based on nitroglycerine (NG), EGDN, trinitrotoluene (tol, trotyl, TNT), PENT (tetranitrapentaerythrit Pentary thrittetranitrate, pentrit , PENT), Hexogen (RDX) , Oktogen (HMX), Tetry I (Tetрил) and nitrocellulose poeders , semtex and other plastic and elastic explosives on the basis of RDX , PENT OR their mixture, B-type compositions (TT-20, TT-40, TT-60, TT-80, MC, TTA)*, C-type (C1C2, C3, C4, IIBB-4*, IIBB-5A *, IIBB-7*, IIBB-12M*BB-11*BB-32* and etc.), H-6, HBX, Minol -2 Amatol Primacord, Primasheet , Tetritol, Trional, Cordit N, A-1X-1, A-1X-2, A-1X-20, Octols *Ocfols *etc.
Sensitivity	Capable of detecting at least 10^{-13} g/cm ³ TNT at +20°C, 80%RH non condensing
Warm up Time	No more than 10 Seconds
Analysis Time	No more than 1 Second
Indicators	Audio and LCD Showing the IONOGRAM Which indicates both signal level (for the concentration) and the explosive group identification .
Storage Of Data	On the unit itself and also can be downloaded onto a laptop using a proprietary software .

Field Programmable	It is field programmeable by operator via the four control buttons and the visual LCD Provided on the main unit as well as via a software installed on the laptop /PC
Power Supply	AC (via 7.2V adaptor supplied, charger supply at 100 to 240V, 50/60Hz) DC (using rechargeable Li-ION battery supplied rated at 7.2V ,31.7Wh).
Operation Time	Battery pack usage at not less than 5 hours while on AC it capable of 24/7 use.
Operating Conditions	+5°C to 40°C with RH up to 90% non condensing at +25°C
Storage Conditions	+5°C to 35°C with RH up to 80% non condensing at 25°C
Extreme Conditions	-50°C to +50°C With RH up to 98% non Condensing at +25°C
Main Unit	Dimensions 300mm *180mm *90mm Weight with bettery at 1.8Kg Total Weight with soft Carrying bag no more than 7.5 Kg