

Multi-Function Electronic Detection System

S.No	Parameters	Specifications
1.	Casing/ Body	Casing/Body is Heavy Duty water Resistant Light Weight, Impact Proof, made out of ABS Plastic.
2.	Construction	The Battery is replaceable by the user & Battery status is provided on the control panel.
3.	Colour	Black
4.	Battery	Rechargeable Li-Ion Battery of 3.7V, 8000mAH 02 Nos. & 02 Nos. spare battery with equipement of set of battery. it gives continuous operation for minimum 4 Hours. It is easily available in the market and continuous operation for 3 hours on spare batteries also.
5.	Battery Charger / Protection	It have separate battery charger to charge batteries in 3- 4 hours. The Battery charger is provided with for over charging, Deep Discharge and reverse polarity facility. Electronics not be in direct contact with battery.
6.	Control	The Sysytem Should work between 100-900 Mhz frequency.
7.	Switch	Suitable control for ON/OFF, Level selection, volume control, provided on the control panel. IED Detection Indicator, Metal Detection Indicator.
8	Size	Minimum Length 310mm \pm 5% Minimum Width 210mm \pm 5% Minimum Height 135mm \pm 5%
9	Weight	1.5 KGs \pm 10%
10	Detection	IED in open – 25 Feet or better IED Buried 1 feet in ground – 14 Feet or better
11	Operation Temperature	-5°C to 60°C, 95% RH
12	Hand Free Stand	MFEDS must have provision to be installed on stand with wheels to move in all terrain. Stand should be made out of lightweight aluminium and have angle adjustment upto 45° \pm 5% for up, down hill and plain area detection. MFEDS installed on stand should rotate 360° along the axis. The height of the stand should be adjustable with telescopic pipes, closed 770mm max. and extended 1400 mm max.
13	Hard Case	Hard case made out of plastic for MFEDS should be provided with waterproof, dustproof and shockproof.
14	Accessories	Provide Headphone like as NLJD
15	Test Report	Test report from NABL Lab Required for operating temperature and all above parameters.