



SUB SURFACE DETECTION AND MAPPING

Aavrtti is a technology-driven company developing advanced radars, robots, and autonomous inspection solutions for industrial, infrastructure, and defense applications.

MT-100

Cable locator

MT-100 is a high-performance underground electrical cable locator designed for accurate detection and tracing of buried power cables and metallic utilities. The system is available in two variants:

MT-100FD, a compact foldable version for easy portability and rapid deployment, and MT-100DD, the standard configuration for routine field operations. Built for reliability in demanding environments, MT-100 enables safe excavation and underground utility detection with precise tracking and depth estimation.



Applications:

- Buried electrical cable detection and tracing
- Underground utility mapping before excavation
- Identification of live and energized underground cables
- Infrastructure maintenance and fault prevention

Specifications

	MT-100
Depth Range (in ideal conditions)	2 m (tested up to)
Operating Mode	Peak Mode
Sensitivity	0.3nT
Screen Information	Signal strength, Moving bar graph, Gain level (0-8), Volume level (0-5), battery percentage, & Operating frequency.
Run time	16 hrs
Batteries	Li-Ion, 28 Wh
Battery Charging	Removable with USB-C charging port
Output	Audio, Visual and Haptic
Weight	1.5 kg
Dimensions	640 x 300 x 112 mm
IP Rating	IP 54
Auto Power Off	15 mins
Display Size	3.5-inch, color LCD

OTHER PRODUCTS

RFSIG MI-X

Multi-channel signal generator for beam steering



CDPA-500W

500 W power amplifier for anti-drone applications



RUDI

Ground Penetrating Radar (GPR)



SCALER

Vertical climbing robot



SUPPORT PARTNERS



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