

BEARING SURVEY  R™

GPR MAPPING DF

FEATURES:

- Combined high and low frequency antennas for efficient scan: low frequency antenna with strong penetration capabilities, capable of detecting larger targets at greater depths, and high frequency antenna with high resolution, capable of detecting smaller targets at shallower depths
- Quick backtracking and position marking for pipeline location: when a pipeline is detected, the backtracking function allows for immediate marking of the target's position
- Rapid folding structure: quick folding and unfolding capabilities for easy deployment and storage
- Built-in encoder mechanism: the antenna is equipped with four wheels and incorporates a built-in distance measurement and dual-wheel linkage device
- Data transmission function via network cable
- GPS data interface: real-time positioning of targets
- Integrated antenna and main unit design

WHY CHOOSE US?

- ✓ 24/7 Ready
- ✓ Fast Response
- ✓ Certified & Experienced

MORE INFORMATION



09985393859



www.bearing-instruments.com



info@bearing-instruments.com



BEARING SURVEY



RTM



GPR MAPPING DF SERIES DUAL FREQUENCY GPR SPECIFICATIONS

Detection Depth	0–7 meters (depending on different media)
Antenna Frequency	Dual-frequency at 400 MHz (or 200 MHz) and 900 MHz (or 600 MHz, 800 MHz)
Number of Channels	2
Polarization	HH
Scan Rate	250 scans per second
Time Window	1–500 ns
Sampling Frequency	Up to 400 kHz
Data Output Resolution	32 bit
Bandwidth	150%
Dynamic Range	≥160 dB
Signal-to-Noise Ratio	≥120 dB
Max. Acquisition Speed	23 km/h (point interval 5 cm)
Scan Width	33 cm
Ingress Protection (IP)	IP65
Power	Rechargeable Battery, 15 W, Optional 12V DC External Battery
Battery Life	5 h
Operating Temperature	–20 to 50°C
Automatic Setting of Equipment Parameters	No complex user configuration required
System Dimensions	710 mm (L) × 570 mm (W) × 220 mm (H)
Sensor Size	560 mm (L) × 480 mm (W) × 200 mm (H)
System Weight	≤11 kg
Data Collection Software	Multiple real-time processing capabilities (real-time filtering, background elimination, automatic gain control, etc.)
Positioning Method	External GPS + distance measurement wheel, Compatible with all frequency Antennas
Real-time Map Display	Capable of displaying real-time maps, color display and synchronously displaying detection trajectories on the map

OPTIONAL EXTERNAL

GNSS

GNSS	Full GNSS
GNSS Battery	Dual, Removable and Hot Swappable Battery
Watts	1,2,5 Watts
Compatibility	Compatible with all frequency Antennas
NTC	NTC Type Approved

LAPTOP

OS	Windows 11
Processor	Intel Core i7
RAM	16 GB
Storage	1 TB
Display	Sunlight Visible, Full Color
Protection	Weather Resistant

SOFTWARE

Post-processing	Viewer 2D, 3D
-----------------	---------------

