

**JANAK***-our clients are our pride*

JPL-9000 RTK LocatePro

Advanced Pipe & Cable Locator with GNSS Provision

Designed to deliver precise underground utility detection,
reliable signal tracing, seamless field data capture, .
RTK integration for enhanced accuracy



High Power Output



Color Touchscreen



Precise Positioning



Cable Identification



Interference Scan



**Integrated Detection
and Measurements**



Multi-Mode Detection



Sensitive Tracking



Fault Location

**JANAK**

Professional Underground Utility
Detection Solution

INTRODUCTION

Multifunctional pipeline detector designed for **locating underground pipes, cables, optical fibers, and other buried utilities.**

With a high-power 15W transmitter and multi-mode locator, It helps operators determine utility **position, route direction, signal current, and burial depth** with confidence.

For complex field conditions, optional accessories

extend capability to **cable identification, sonde tracing, and ground fault location.**



MULTI-PURPOSE DETECTION



PIPE & CABLE
LOCATING



DEPTH
MEASUREMENT



CABLE
IDENTIFICATION



FAULT
LOCATION

Advanced performance in your hands

The locator combines high sensitivity, fast response, and intelligent signal processing to deliver accurate results in demanding field conditions.

Its ergonomic design, bright color touchscreen, and intuitive interface help operators work efficiently in outdoor environments.



PRECISE POSITIONING

Pinpoint underground utilities with high accuracy and real-time feedback.



MULTI-MODE DETECTION

Use multiple detection modes for power, radio, active, and passive signals.



DEPTH & CURRENT MEASUREMENT

Measure burial depth and signal current for reliable assessment.



COLOR TOUCHSCREEN

High-visibility display with an intuitive interface for easy operation.



LONG BATTERY LIFE

Built for long working days with a high-capacity rechargeable battery.



Powerful signal for every situation.

JPL 9000 Transmitter provides stable high-power signal output with multiple frequency options and automatic impedance matching.

- 15W max output power
- Multiple frequency options
- Direct connection, induction, or clamp coupling
- Automatic impedance matching

SYSTEM COMPONENTS

Complete hardware set for professional utility locating

The JPL 9000 system includes a high-sensitivity locator, powerful transmitter, and signal clamp for flexible field operation across different utility detection scenarios.

LOCATOR



TRANSMITTER



TRANSMITTER SIGNAL CLAMP



DISPLAY & OPERATION

Intuitive interfaces and smart layout
simple to learn and easy to use.

Large color touchscreens deliver clear visuals in any environment,
keeping you focused on the job.

JPL-9000 RTK LOCATOR



-  4.3-inch Color Touchscreen.
-  Clear, high-contrast display for quick reading in all conditions.
-  Real-time target information including signal, frequency and direction.
-  Dedicated function keys for fast, one-touch operation.
-  Long battery life indicator keeps you working with confidence.

JPT-9X TRANSMITTER



-  5.6-inch Color Touchscreen.
-  Large, bright display for easy setup and operation.
-  Access all operating modes from a simple, intuitive menu.
-  Adjust output and settings with clear, on-screen feedback.
-  Status bar shows frequency, voltage, battery and auto settings at a glance.

SIGNAL APPLICATION MODES

Choose the optimal signal method for different utility detection scenarios.

Supports multiple signal application methods for flexible utility detection in different field conditions.

DIRECT CONNECTION



CLAMP COUPLING



INDUCTION



SONDE



DIRECT CONNECTION MODE

Best for accessible metal pipes and cables with maximum signal strength.



CLAMP COUPLING MODE

Safe and efficient signal application for cables without direct electrical contact.



INDUCTION MODE

Non-contact signal application for shallow buried utilities.



SONDE MODE

Designed for tracing non-metallic pipes from inside the pipeline.

ADVANCED LOCATING MODES

Multipledisplaymodesforaccurate utility tracing, signal analysis, and sonde positioning.

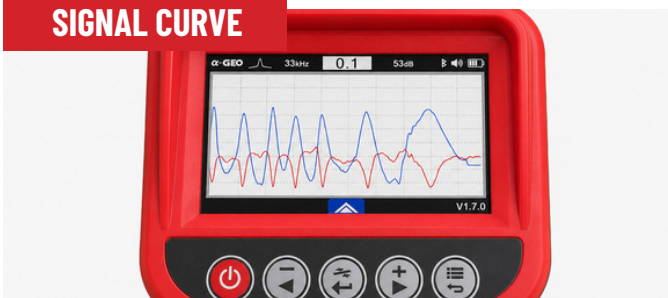
NAVIGATE



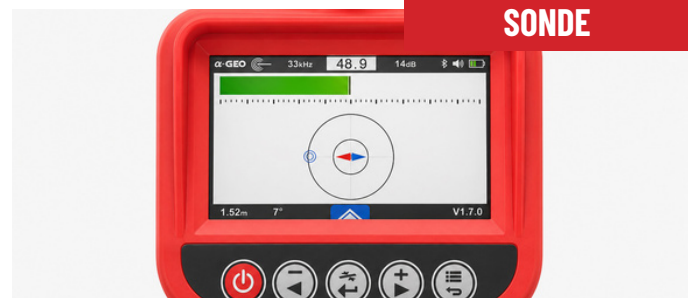
PEAK-TROUGH



SIGNAL CURVE



SONDE



NAVIGATION MODE

Fast route guidance with direction-based locating.

SIGNAL CURVE MODE



Real-time waveform analysis for advanced diagnostics.



PEAK-TROUGH MODE

Precise target positioning using signal comparison.



SONDE MODE

Accurate tracing of non-metallic pipes and ducts.

INTEGRATED MAPPING SYSTEM

Locate, measure, and map underground utilities in one connected workflow.



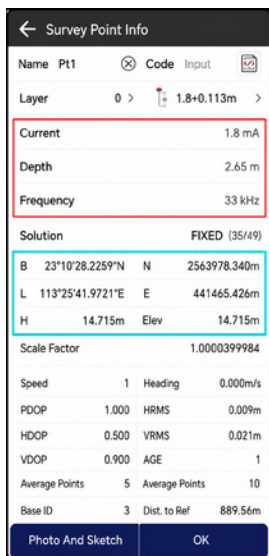
Controller Unit



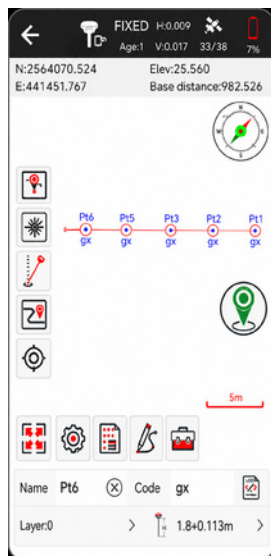
GNSS RTK Module



Locator



FIELD DATA



ROUTE MAPPING

REAL-TIME DATA TRANSFER

Wireless connection between locator and controller.

RTK COORDINATE CAPTURE

Survey-grade positioning for precise field mapping.

DETECTION DATA RECORDING

Store current, depth, frequency and route data.

FIELD-TO-OFFICE

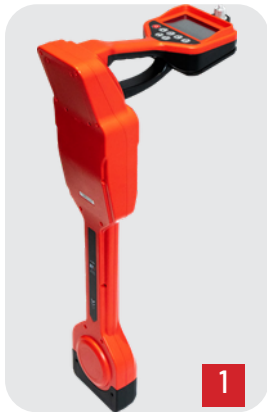
Create clear digital utility records and reports.

JANAK

IN THE BOX

Standard package
system and essential field accessories for
utility detection work.

STANDARD ACCESSORIES



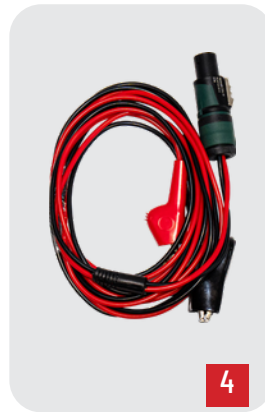
Locator
1 Unit



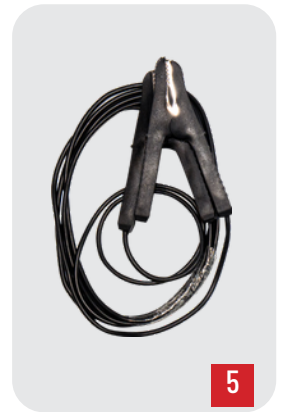
Tranmitter
1 Unit



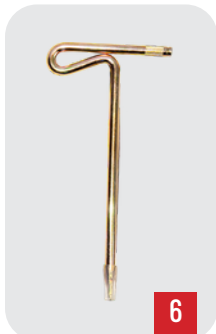
Transmitter clamp
1 Unit
Inner diameter 150mm



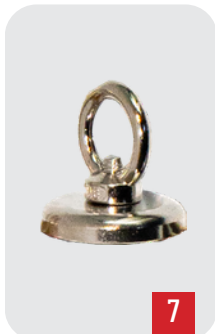
Red/Black Cable
1 Unit



Extention Cable
1 Unit
3 m



Ground Rod
1 Piece



Magnet
1 Piece



GNSS Mount
1 Piece



Locator Charger
1 Piece



Transmitter Charger
1 Piece



Instrument Bag
1 Piece

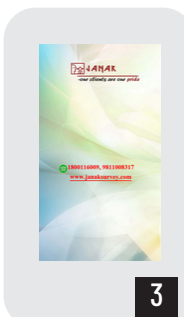
OPTIONAL ACCESSORIES



Controller
1 Piece



GNSS RTK
1 Piece



SurPro v6.x
1 Licence



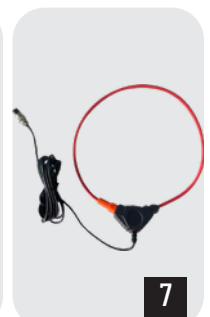
A-Frame
1 Piece



Sonde
1 Piece



Stethoscope
1 Piece



Flexible Signal Clamp
1 Piece



Locator

SPECIFICATION

Item	Specification
Function	Pipe/cabledetection, including cable position tracking, direction display, depth measurement, and current measurement; cable identification; sonde positioning; ground fault location
Power	7.4 V DC 6400 mAh rechargeable lithium battery
Input Method	Built-in receiving coil; external flexible signal clamp; external A-Frame
Receiving Frequencies	Active detection frequencies: 128 Hz, 512 Hz, 577 Hz, 640 Hz, 1024 Hz, 1280 Hz, 2.56 kHz, 3.20 kHz, 4.09 kHz, 8.19 kHz, 9.50 kHz, 9.80 kHz, 10 kHz, 33 kHz, 66 kHz, 82 kHz, 83.1 kHz, 89 kHz, 133 kHz, 201 kHz, 512 Hz, 640 Hz, 1024 Hz, 1280 Hz, 2.56 kHz and 3.20 kHz have directional characteristics and can identify signal direction. Power frequency: 50 Hz, 60 Hz. Communication frequency: Radio
Detecting Modes	Broad Peak method, Sharp Peak method, Trough method
Display Modes	Peak-Trough positioning mode, Navigation mode, Signal curve mode, Sonde mode
Detecting Range	Direct connection method: generally up to 0-20 km cable length, mainly determined by grounding resistance, cable resistance, and cable burial depth. Coupling method: generally up to 0-10 km cable length, mainly determined by grounding resistance, cable resistance, and cable burial depth. Induction method: suitable for cables with burial depth less than 2 m.
Measuring Accuracy	±5% for burial depth of 0-3 m; ±15% for burial depth of 3-20 m
Sound Indication	Frequency tone varies with signal strength
Bluetooth Communication	Supports Bluetooth communication for instrument control and connection to SurPro 6.0 for data processing
Interference Distance	Pipe/cable detection: more than 5 m for coupling method and more than 20 m for induction method can be considered interference-free. Cable identification: more than 5 m for coupling method can be considered interference-free.
LCD	4.3-inch color LCD, supports touch operation
Coordinate Survey	Compatible with Professional GNSS RTK
Dimensions	318 mm × 140 mm × 726 mm
Weight	2.1 kg
Charger	DC 8.4 V, 1A
Connecting Port	1 × USB interface for firmware upgrade and mobile phone charging; 1 × Type-C charging port; 1 × DC charging port; 1 × accessory socket
Withstand Voltage	AC 2000 V/rms between front and back of enclosure
Operating Temp/Humidity	-10°C to 40°C; below 80% RH
Storage Temp/Humidity	-10°C to 50°C; ≤95% RH, no condensation
Electromagnetic Characteristics	IEC 61326 (EMC)
Applicable Safety Regulations	IEC 61010-1 CAT III 600 V, IEC 61010-031, IEC 61326, Pollution degree 2



Transmitter

SPECIFICATION

Item	Specification
Function	Multi-frequency signal transmission for pipe/cable path detection, cable identification, and fault location
Power	11.1V DC 12800mAh rechargeable lithium battery
Output Method	Direct connection, induction, signal clamp coupling
Output Frequencies	128 Hz, 512 Hz, 577 Hz, 640 Hz, 1024 Hz, 1280 Hz, 2.56 kHz, 3.20 kHz, 4.09 kHz, 8.19 kHz, 9.50 kHz, 9.80 kHz, 10 kHz, 33 kHz, 66 kHz, 82 kHz, 83.1 kHz, 89 kHz, 133 kHz, 201 kHz
Output Power	15 W max, 15 adjustable levels, fully automatic real-time impedance matching
Direct Connect Output Voltage	150 Vpp max
Circuit Protection	Overload and short circuit protection
LCD	5.6-inch capacitive touch LCD
Dimensions	192 mm × 307 mm × 136 mm
Weight	Transmitter: 3.30 kg; transmitting signal clamp: 1.12 kg
Charger	DC 12.6 V, 1 A
Transmitting Signal Clamp	Length × width × thickness: 300 mm × 195 mm × 35 mm; inner diameter $\varnothing$ 150 mm; cable length 3 m
Direct Connect Cable	3 m
Connecting Port	1 × USB interface for firmware upgrade and mobile phone charging; 1 × Type-C charging port; 1 × DC charging port; 1 × accessory socket
Withstand Voltage	AC 3700 V/rms between top and bottom of instrument case
Electromagnetic Characteristics	IEC 61326 (EMC)
Applicable Safety Regulations	IEC 61010-1 CAT III 300 V, CAT IV 150 V, Pollution degree 2

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Illustrations, descriptions and technical specifications are not binding and may change