

MPL-H11DX

Transmitter

Output frequencies	512 Hz/ 9.5 kHz/ 38 kHz/ 80 kHz Dual : Direct 9.5 kHz & 38 kHz, Current Direction
Output power	5 watts maximum 1 watt maximum (80 kHz mode only)
Transmitting modes	Direct connection, Inductive, External coil clamp
Battery Type	Eight Alkaline LR20 "D" size
Battery Life	Direct : 50 hours (Output 4 mA, 68°F/20°C) Inductive and External coil : 20 hours (50% Output, 68°F/20°C)
Connectivity	Bluetooth (BLE 5.0)
Visual Indication	LCD with backlight
Measuring Function	Line Voltage: AC 0 to 250V
Operating Temperature	-20°C to 50°C / -4°F to 122°F
Material	ABS : shock and cold resistant, IP54
Dimensions	When using : 314 x 261 x 110 mm when storing : 314 x 227 x 110 mm
Weight	3.6 kg including batteries

Receiver

Active Frequencies	512 Hz/ 9.5 kHz/ 38 kHz/ 80 kHz/ Current Direction
Passive Radio	9 kHz to 33 kHz
Passive Power	60 Hz : 45 to 65 Hz 120 Hz : 95 to 125 Hz
Measurement Modes	MODE1 : Peak/Null mode (contains both peak and null features) MODE2 : Peak mode (used for accurate locating) MODE3 : Null mode (used for easy locating)
Digital Level	Indicate horizontal level on LCD of the Receiver
Current value	Current value flowing on the conductor is displayed by milli-Amps.
Battery Type	Six Alkaline LR6 "AA" size
Battery Life	18 hours (68°F/20°C)
Visual Indication	LCD with backlight
Operating Temperature	-4°F to 122°F / -20°C to 50°C
Dimensions	130 x 660 x 270 mm
Weight	2.1 kg including batteries
Connectivity	Bluetooth (BLE 5.0)
Material	ABS : shock and cold resistant, IP54
Interface	Data transfer port
Audio Output	Internal Speaker, Earphone (optional)

Pipe & Cable locator

MPL-H11DX

High precision locator for all types of buried utilities



Precision • Durability • Quality

Whether you are locating Gas lines, Water pipes, Telecom Cables or Electrical Power, MPL-H11DX has you covered. Our full-featured, all-purpose locator is rugged and robust, and can meet the needs of any jobsite. 100% Made in Japan, with over 65 years of experience, Takachiho is the brand you can trust.

TAKACHIHO

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## Pipe & Cable Locator

# MPL-H11DX

A high-precision locator for all types of buried utilities

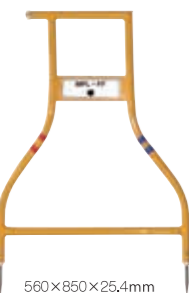


MPL units can be equipped with a wide range of accessories such as external coils and probes for non-metallic pipes.

## Optional Accessories

### A-frame

Locate electrical faults in buried cables



560×850×25.4mm

### Rechargeable Li-Ion Battery

Save money and get longer life out of your batteries.



### 9.5kHz/80kHz External Coil

Our waterproof coil clamps come in three frequencies.



80kHz 9.5kHz

### Search Probe for Non-Metallic pipes

Probes can be used to locate plastic pipes and ducts. Available in three frequencies.



38kHz  
Size:  $\Phi 20 \times 190\text{mm}$  Depth: 0~5m  
850Hz  
Size:  $\Phi 25 \times 200\text{mm}$  Depth: 0~5m  
512kHz  
Size:  $\Phi 20 \times 200\text{mm}$  Depth: 0~3m

### LDR-Mini Traceable Rodder

This flexible rodder with a steel core and conductive polymer sheath allows the user to locate small fiber optic ducts and pipes.



Max. distance: 40m Size:  $\Phi 4.3\text{mm} \times 50\text{m}$   
Weight: about 3kg

## Mobile Application



**REMOTE CONTROL**  
Change the frequency or adjust power output on the transmitter from your phone using Bluetooth.



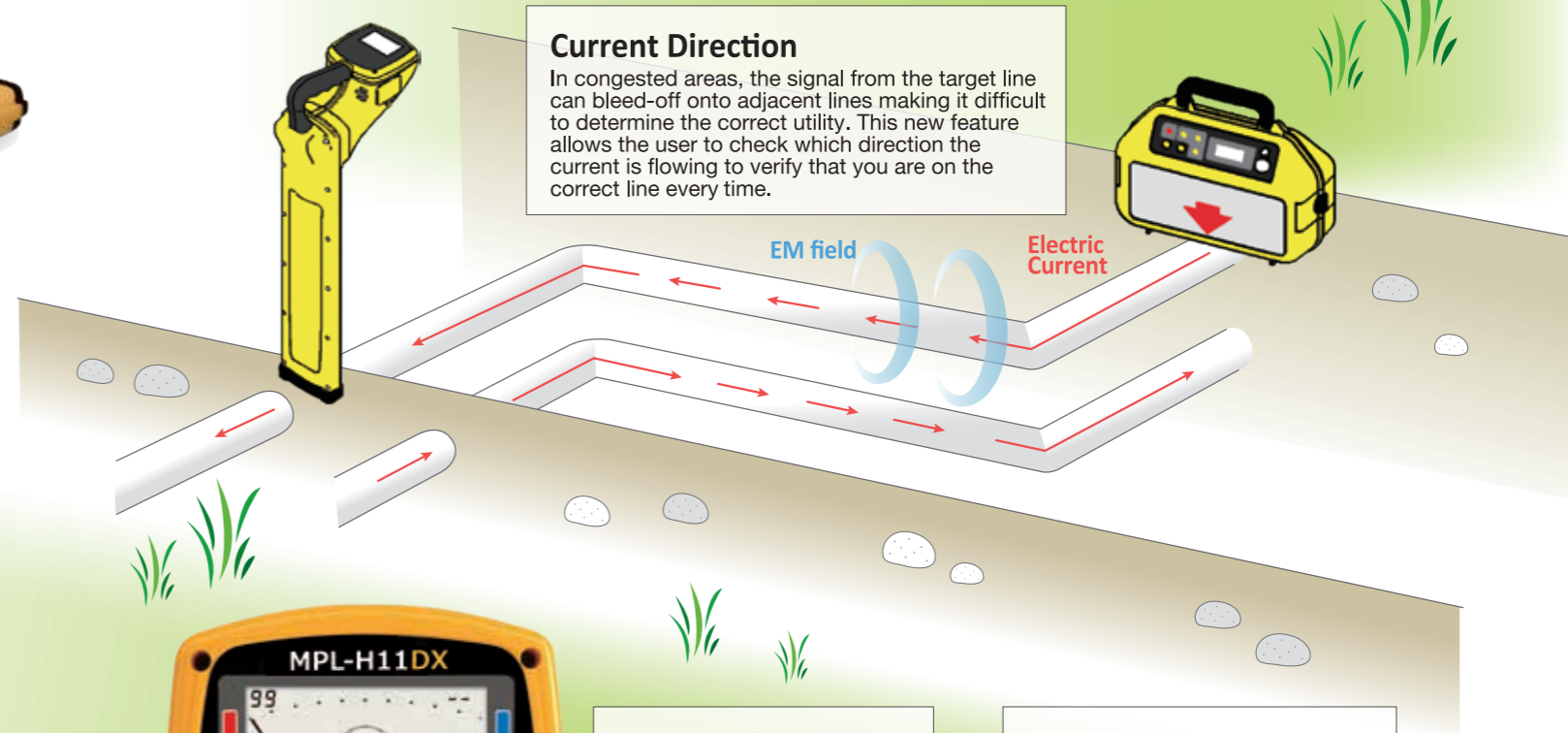
**UTILITY MAPPING**  
Location data of buried utilities is synced with GPS coordinates to create interactive maps.



Share data from your jobsite instantly using the app of your choice, or save data to the cloud to view later.

## Current Direction

In congested areas, the signal from the target line can bleed-off onto adjacent lines making it difficult to determine the correct utility. This new feature allows the user to check which direction the current is flowing to verify that you are on the correct line every time.



## Ambient Noise Detection

Choose the best frequency for each jobsite by checking how much interference is present in the atmosphere.

Frequency	Noise
80kHz	45.5%
38kHz	24.1%
9.5kHz	5.6%

## Ground Verification

Weak signals are often caused by insufficient grounding. Verify the quality of your grounding to get the best performance from your transmitter.

Good Grounding Poor Grounding

