

# MPL-H11DX

## Transmitter

|                       |  |
|-----------------------|--|
| Output frequencies    | 512 Hz/ 9.5 kHz/ 38 kHz/ 80 kHz<br>Dual : Direct 9.5 kHz & 38 kHz, Current Direction                         |
| Output power          | 5 watts maximum<br>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)<br>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<br>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<br>120 Hz : 95 to 125 Hz  |
| Measurement Modes     | MODE1 : Peak/Null mode (contains both peak and null features)<br>MODE2 : Peak mode (used for accurate locating)<br>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)   |



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## 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

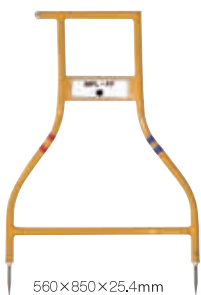


MPL units can be equipped with a wide range of accessories such as external coils and probes for non-metallic pipes.

## Optional Accessories

### A-frame

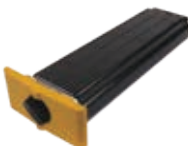
Locate electrical faults in buried cables



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: Φ20×190mm Depth: 0~5m  
850Hz  
Size: Φ25×200mm Depth: 0~5m  
512kHz  
Size: Φ20×200mm 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: Φ4,3mm×50m Weight: about 3kg

## Mobile Application



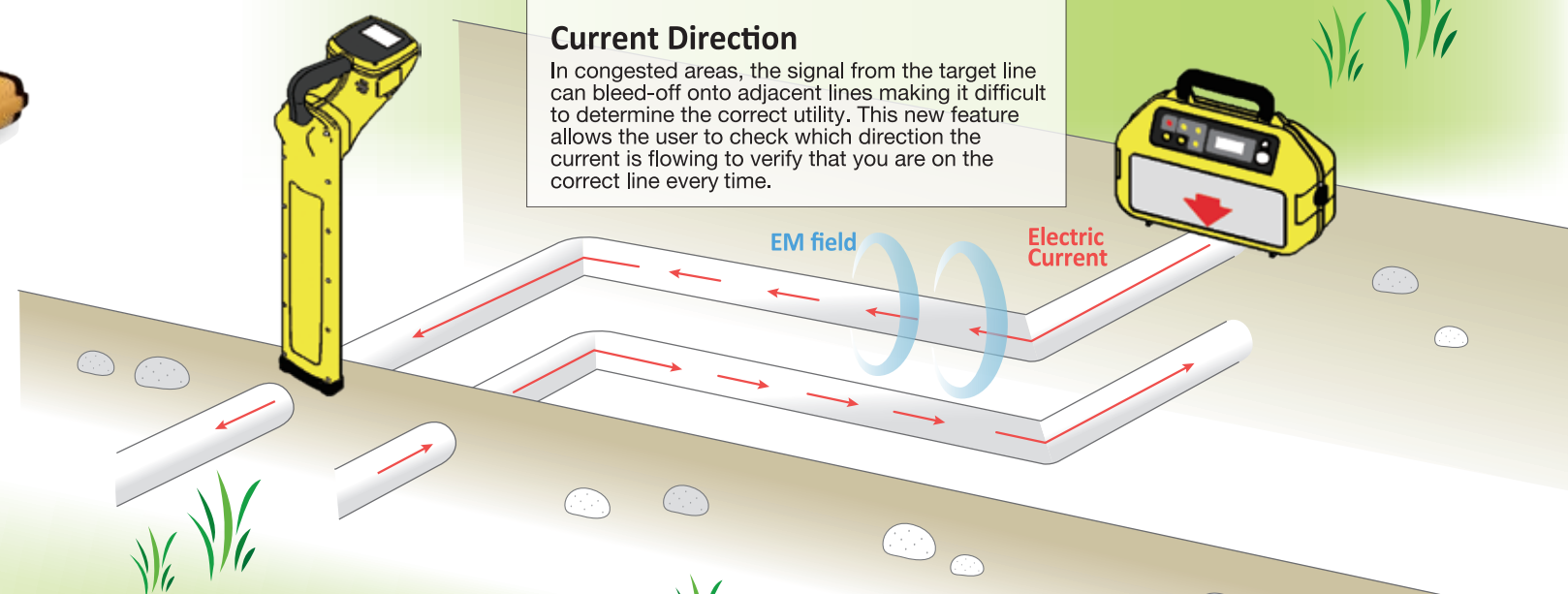
**REMOTE CONTROL**  
Change the frequency or adjust power output on the transmitter from your phone using Bluetooth.



**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.



### 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.

