MPL-H11S【The Digital Mined-Pipe Locator】

TRANSMITTER	
Output frequencies	512 Hz/ 9.5 kHz/ 38 kHz/ 80 kHz Dual : Direct mode serves 9.5 kHz & 38 kHz dual mode
Output power	5 watts maximum 1 wat maximum（80 kHz mode only）
Transmitting modes	Direct connection, Inducitive, External coil
Battery Type	Eight LR20 "D" size
Battery Life	Direct : 50 hours（Output 4 mA, 68℉/20℃） Inductive and External coil : 20 hours（50% Output, 68℉/20℃）
Battery Status	Low battery indication
Visual Indication	LCD with backlight
Measuring Function	Line Voltage: AC 0 to 250V
Operating Temperature	-20℃ to 50℃ / -4℉ to 122℉
Material	ABS : shock and cold resistant, weatherproof
Dimensions	When using : 10.3" x 12.4" x 4.3"（261mm x 314mm x 110mm） When straging : 8.9" x 12.4" x 4.3"（227mm x 314mm x 110mm）
Weight	7.9 lbs.（3.6 kg approx.）
RECEIVER	
Active Frequencies	512 Hz/ 9.5 kHz/ 38 kHz/ 80 kHz
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 horizonal 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"
Battery Life	18 hours（68℉/20℃）
Visual Indication	LCD with backlight
Operating Temperature	-4℉ to 122℉ / -20℃ to 50℃
Dimensions	26.0" x 5.1" x 10.6"（660 x 130 x 270mm）
Weight	4.7 lbs（2.1 kg）approx. including batteries
Data Recording	Memorized 400 points of the depth / current / frequency
Material	ABS : shock and cold resistant, weatherproof
Interface	Data transfer port
Audio Output	Internal Speaker, Earphone（optional）

■ Measurement Accuracy
6.6' (2.0m) ••• within ± 2.5%
9.8' (3.0m) ••• within ± 5.0%
16.4' (5.0m) ••• within ± 10.0%

*Locators are tested in the model field conditions with no adjacent signals in Iwakura Plant.

History of the MPL series

Domestic		Overseas
Underground Metal Pipe Locator	1974	
MPL-H2 Underground cable and pipe locator	1976	
MPL-H3 Digital display was equipped	1979	MPL-H3 exported to Asia and the Middle East
MPL-H5 Directive mode was equipped	1987	MPL-H5 exported to Asia, the Middle East, Australia, and the United States
MPL-H6 4 type of frequencies enables multi-purpose locating	1993	SPOT-D-TEK II
MPL-H7 3 receiving antennas enables high accuracy measurement	1995	MPL-H7 exported to the United States
	1996	SPOT-D-TEK III
MPL-H7L Custom type LCD panel	1998	MPL-H7L
MPL-H8 Separated Antenna deep depth model	1999	SPOT-D-TEK IV
MPL-H7D Data recording was equipped	2001	
	2003	SPOT-D-TEK IV exported to the United States
MPL-H10 Combined functions of H5 and H7L	2005	MPL-H10 exported to the United States, China, and Korea
MPL-H10S GPS	2007	MPL-H10S exported to the United States, China, and Korea
MPL-H100 50th anniversary model	2009	MPL-H100 exported to the United States, China, and Korea
MPL-H11	2014	
MPL-H11S	2015	

TAKACHIHO SANGYO CO., LTD.
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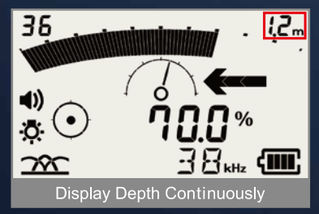
The Digital Mined-Pipe Locator
MPL-H11S

Metal Pipe / Cable / Optical Fiber / etc...



Display Depth Continuously

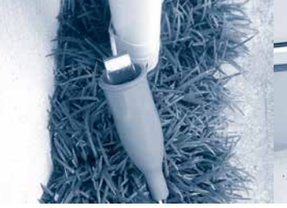
Continuously Measuring Directions and Depths

3 kinds of measurement modes are selectable

More Easily and More Accurately by the new functions

TAKACHIHO SANGYO CO., LTD.
http://www.takachiho-sc.com/

We can detect the buried cables More “Easily” and “Reliably”



Just push one button for depth measuring and gain adjustment.

GAIN DEPTH

NEW Yaw Bar and Digital Level

Yaw Bar indicates the directions of the buried cable.
Digital Level reduces the measurement errors.

NEW provide fast and easy detections.

provide fast and easy detections of the buried cable.

Continuous Display

MPL-H11S are full of the “Takachiho Original Technologies”.

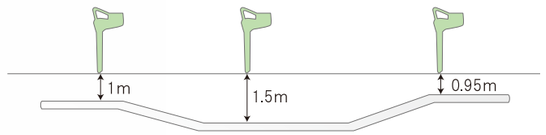
Continuous Depth and Direction Display

NEW

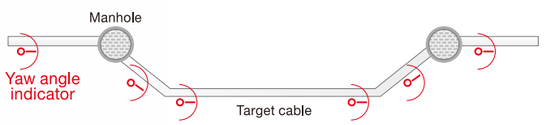
Feet or Meter switchable.

Direction and Depth of the target cable are displayed continuously.

Depth

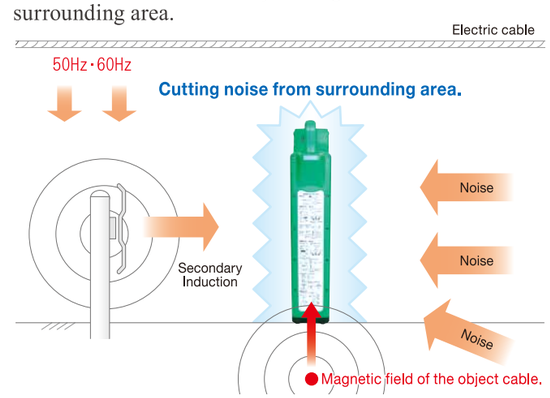


Direction



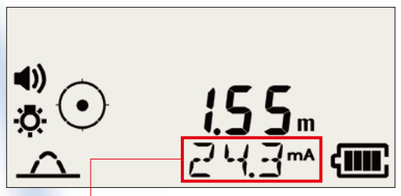
Noise Cut Filter

provides the function receiving the signal from direct below the Receiver by cutting noise from surrounding area.

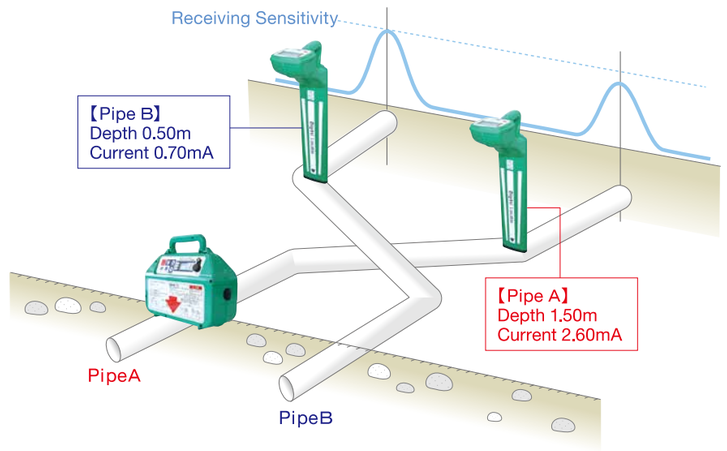


Distinction of the crossing pipes is POSSIBLE.

The objective pipe can be distinguished by comparing each current value.

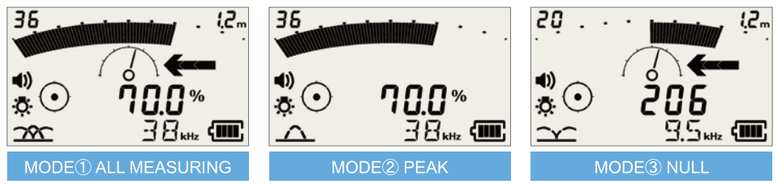


Current Index The higher current index is the object pipe.



NEW **Three measuring modes are selectable.**

The optimal measuring mode can be chosen according to state of the working site.



Options

【LDR】 Locating Direction Rod	【LDR-M】 Locating Direction Rod mini	Probe	External Coil	External Coil for riser cables	External Coil for optical cables	External Receiving Pole	Grounding Plate
 Used for tracking non-metallic pipe. Depth: 0-16' (5m) Maximum Distance: 430' (130m) Weight: 29 lbs. (13kg) approx. Size (L x dia.): 450'(137m) x .25"(6.4)	 Used for tracking non-metallic pipe including riser cable. Maximum Distance: 130' (40m) Weight: 6.6 lbs. (3kg) approx. Size (L x dia.): 164' (50m) x .17" (4.3mm)	 38kHz Normal size probe 320×φ50mm Depth:5m 12.6" x φ2" Depth: 16' 38kHz Mini size probe 190×φ20mm Depth:5m 7.5" x φ.79" Depth: 16' 850Hz 8" x φ.98" Depth: 16' 200×φ25mm Depth:5m 512Hz 8" x φ.79" Depth: 9.8' 200×φ20mm Depth:3m Used for tracking non-metallic pipe	 9.5kHz 80kHz Used for External coil mode. One-touch clamp are attached to the various types of cables regardless of a diameter and kind.	 Used for External coil mode intended for riser cables.	 Used for External coil mode intended for optical cables. A band type small coil enables external coil mode to detect a thin pipe like optical cable.	 Used for searching near the guardrails.	 Used in the situation where a ground cannot be taken.