

Transmitter

Receiver

A-frame

Grounding cord reel

Grounding rod

### TRANSMITTER

|                       |  |
|-----------------------|--|
| Output frequencies    | 512 Hz/ 9.5 kHz/ 38 kHz/ 80 kHz<br>Dual : Direct mode serves 9.5 kHz & 38 kHz dual mode                                  |
| Output power          | 5 watts maximum<br>1 watt maximum (80 kHz mode only)   |
| Transmitting modes    | Direct connection, Inductive, External coil  |
| Battery Type          | Eight 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)             |
| Battery Status        | Low battery indication   |
| 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, weatherproof   |
| Dimensions            | When using : 10.3" x 12.4" x 4.3" (261mm x 314mm x 110mm)<br>When straging : 8.9" x 12.4" x 4.3" (227mm x 314mm x 110mm) |
| Weight                | 7.9 lbs. (3.6 kg approx.)  |

### Fault Finder

|                    |  |
|--------------------|--|
| Output Power       | 5W   |
| Output Frequency   | 9.5 kHz + 512 Hz (525 Hz)                  |
| A-frame Dimensions | 22.0" x 33.5" x 1.0" (560 x 850 x 25.4 mm) |
| Fault Detection    | High resistance faults up to 2 mega ohms.  |



### 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<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"   |
| 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            | 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.

# Fault Finder MPL-FF

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



This is it. MPL-FF  
Fault-Finding with Cable Locating.

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# Fault Finder MPL-FF

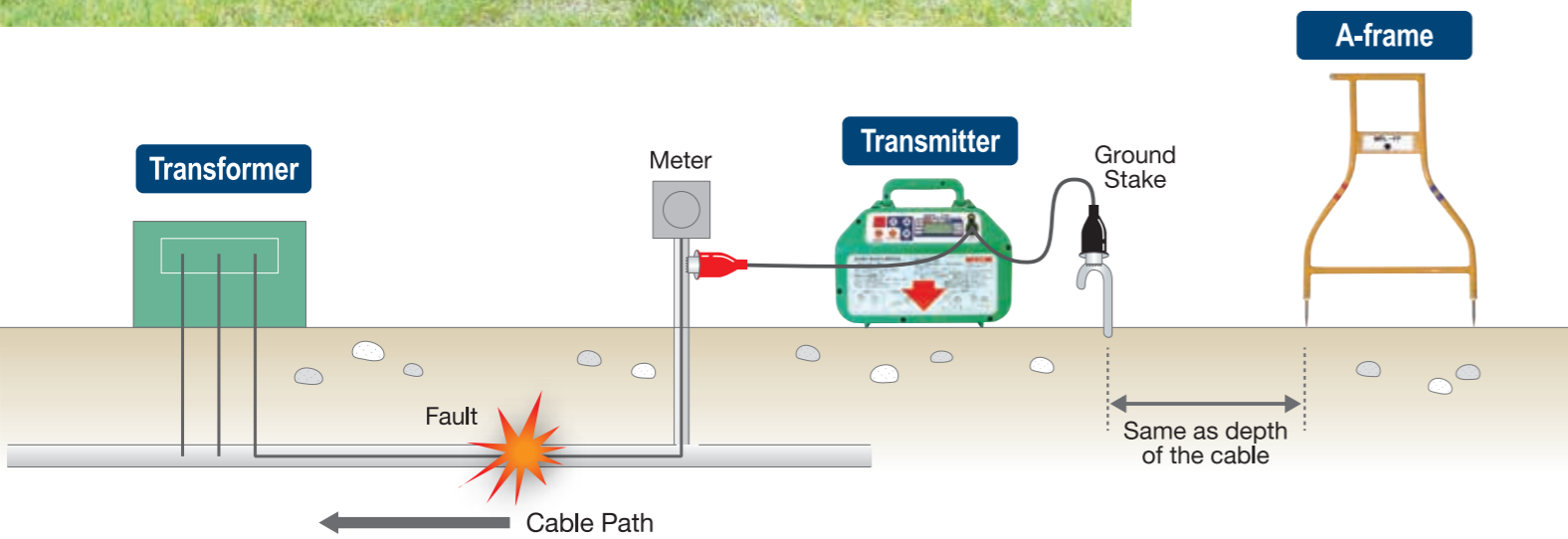
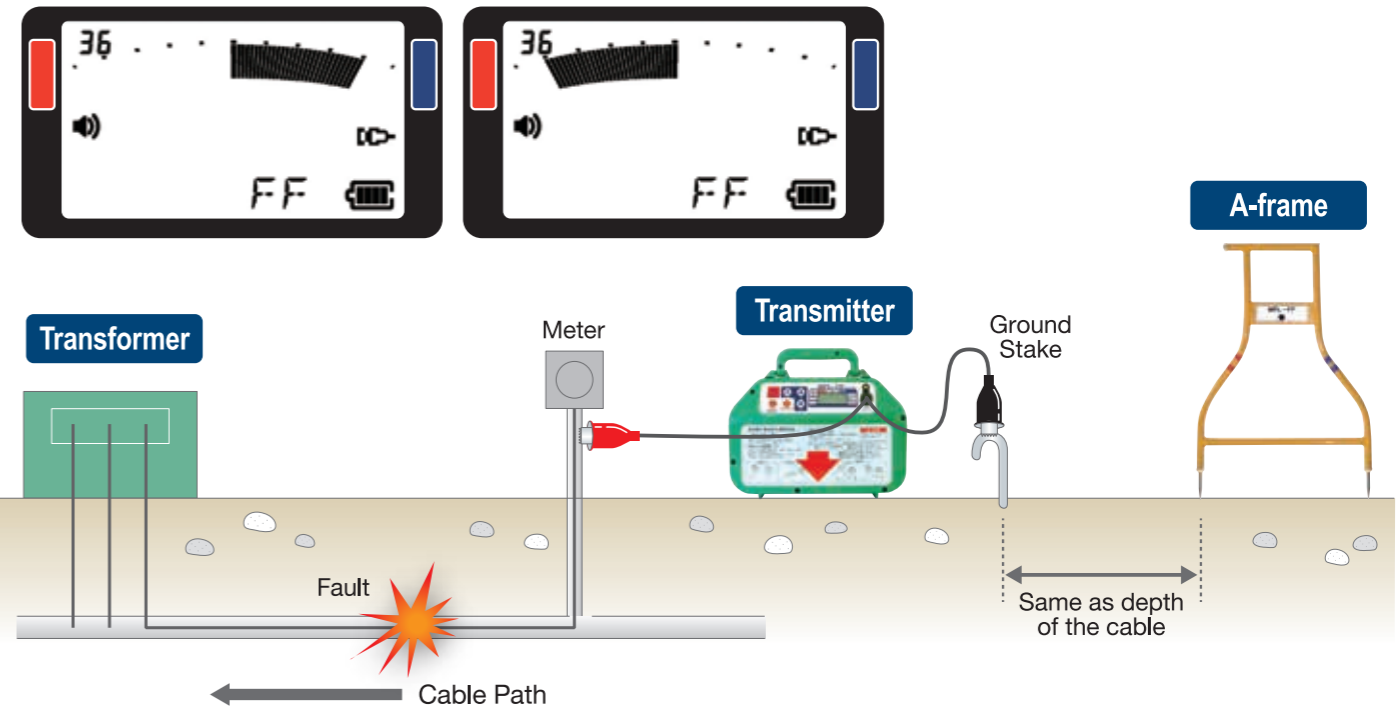
Metal Pipe / Cable / Optical Fiber / etc...



Five Internal Coils provide accurate locating.

## Fault-Finding Function Simply follow the icon direction.

MPL-FF can locate ground return faults quickly and accurately with simple icon direction way. Transmitter LCD shows ohm readout and it helps operator determine fault quality.



## Cable-Locating Function We can detect the buried cables more easily and reliably.

Just push one button for changing fault-finding to cable-locating. Continuously measuring directions and depths. 3 kinds of measurement modes are selectable. Peak, Null, and Peak/Null modes. More easily and more accurately by the new functions.

## Fault-Finding with Cable-Locating

MPL-FF possesses the function of fault-finding and cable-locating. Those two functions are accurate and dependable by using Takachiho original technologies. MPL-FF can locate cable with its depth. And it finds ground-return faults of direct buried cable on electric, CATV and telecommunication cables in pinpoint. MPL-FF is a specialized equipment to do these works with only one tool.

