

# FUJI METAL PIPE AND CABLE LOCATOR

## *PL-960*

The visual guide to operate by the large LCD display and the Keys arranged on one Panel is designed to help the Operator to choose a correct mode quickly without a puzzle on site.

One-handed operation with Keys and the Receiver weighing only 2.0 Kilo-gram do not fatigue the Operator during the work for many hours.



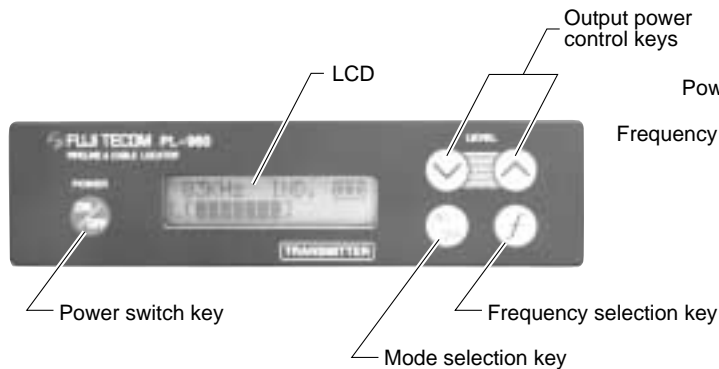
Instruments for the location of underground utilities and water leaks.

**FUJI TECOM INC.**

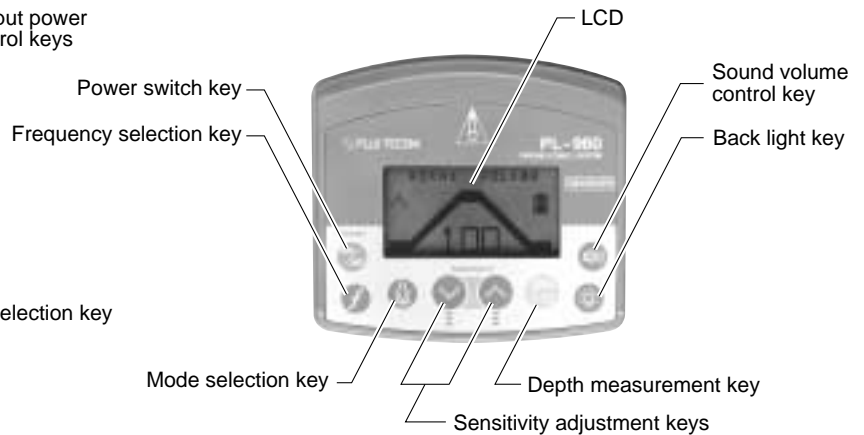
# FUJI METAL PIPE AND CABLE LOCATOR

## PL-960

### ● Transmitter's Operation Panel



### ● Receiver's Operation Panel



## FEATURES

- PL-960 is equipped with the Single Coil Antenna to track a buried metallic line utility over a long distance and the Differential Coil Antenna to locate the same utility correctly.
- PL-960 is equipped with the three different frequencies designed in the most efficient range of 27kHz, 83kHz and 334kHz to locate and track the buried metallic line utility.
- PL-960 has the Radio Mode which adds one more function to track the buried metallic line utility but without using the power from the Transmitter when the induction magnetic field is existed on site.
- PL-960 has the Maximum Mode indicating the position of the buried metallic line utility right upon it by the displays with the bar-graph and the numerical value between 000 and 100.
- PL-960 has the Minimum Mode indicating the position of Receiver when it is positioned at the side of right or left to the buried metallic line utility.
- PL-960 displays the sensitivity level changed in the step from 00 to 40 to the signal from the Transmitter.
- PL-960 displays the current measure by the step from 000 to 100 which indicates if the depth of a buried object has been measured correctly.

## STANDARD EQUIPMENT

Transmitter ..... 1  
 Receiver ..... 1  
 Direct mode cable ..... 1  
 Grounding stake(30cm) ..... 1  
 Warning Flag ..... 1  
 Soft carrying bag..... 1  
 Instruction manual..... 1

## OPTIONAL ACCESSORIES

External coil ..... 1  
 Cable Drum with 50 meter cable ... 1

## SPECIFICATIONS

### ● TRANSMITTER

Frequency : 27kHz, 83kHz, 334kHz  
 Output Power : Induction Mode = 0.5W  
                   Direct Mode = 3.0W  
 Transmitting Mode : CW (Non-modulation)  
 Antenna : Single Coil Antenna  
 Power Supply : DC12 Volts (UM-1×8)  
 Battery Life : Induction Mode = Approx. 20 hours  
                   Direct Mode = Approx. 10 hours  
 Operation Temperature : -10 to 50°C  
 Weight and Size : 2.5kg  
                       288mm×241mm×105mm

### ● RECEIVER

Frequency : 27kHz, 83kHz, 334kHz  
                   Radio Mode = 15kHz ~25kHz  
 Antenna : Single Coil Antenna  
                   Differential Coil Antenna  
 Display : LCD  
 Depth Display : Value in 3 figures  
 Current Measure : Value in 3 figures  
 Power Supply : DC 9 Volts (UM-3×6)  
 Battery Life : 8 hours at non-signal condition  
                   5 hours by using Speaker  
                   5 hours by using Back Light  
 Operation Temperature : -10 to 50°C  
 Weight and Size : 2.0kg  
                       131mm×280mm×610mm

### ● DETECTION ACCURACY

Locating Accuracy (to the depth) : 1.2m ... ±2cm or less  
   2m ..... ±5cm or less  
   5m ..... ±25cm or less  
 Depth Accuracy : 1.2m ... ±5% or less  
   2m ..... ±5% or less  
   5m ..... ±10% or less  
 Locating Distance : Differential Coil Antenna  
   Induction Mode = 260m ±10%  
   Direct Mode = 400m ±10%  
   Single Coil Antenna  
   Induction Mode = 400m ±10%  
   Direct Mode = 450m ±10%

We reserve the right to change specifications without prior notice.



Instruments for the location of underground utilities and water leaks.

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