

# FUJI PIPELINE 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.



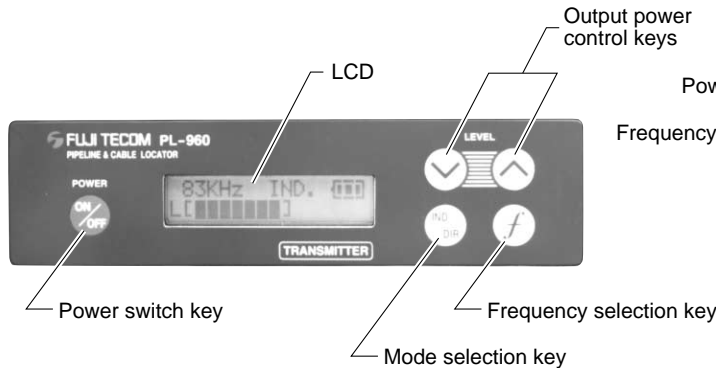
Instruments for the location of underground utilities and water leaks.

**FUJI TECOM INC.**

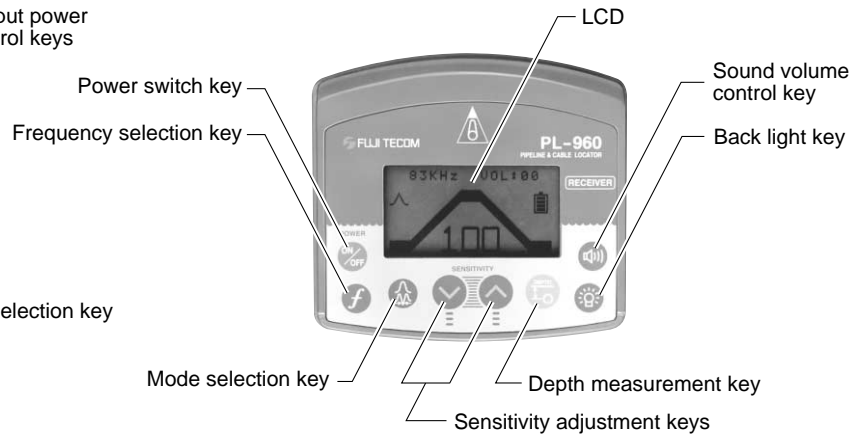
# FUJI PIPELINE AND CABLE LOCATOR

## 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
Sonde (Small and Large)	

### 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	: DC 12 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.

## FUJI TECOM INC.

**Head office** : 2-20, Kanda Sakuma-cho, Chiyoda-ku, Tokyo 101-0025, Japan  
TEL : +81-3-3862-3196 FAX : +81-3-3866-1979  
Web Site : <http://www.fujitecom.com/>  
E-Mail : [kaigai@fujitecom.co.jp](mailto:kaigai@fujitecom.co.jp)

**Branch office** : Sapporo, Sendai, Tokyo, Shinetsu, Nagoya, Osaka  
Hiroshima, Kyushu

**Technical development & training center** : Niiza

AGENT

### DETECTION SOLUTIONS

SUB-SURFACE DETECTION TECHNOLOGIES

Australia  
A15 / 276 New Line Road, Dural  
PO Box 3222, Dural, NSW 2158  
Phone: 1300-885 383  
New Zealand  
Unit J, 150 Harris Rd, East Tamaki, Auckland  
PO Box 38 061, Howick, Auckland  
Phone: (+64 9) 576 8000 Fax: (+64 9) 576 4641

Website [www.detectionsolutions.com.au](http://www.detectionsolutions.com.au)