

# FUJI LEAK NOISE LOGGER SYSTEM

## *LNL-1* FUJI LEAK NETS

Leakage control is shifted from survey to monitoring.  
The leaking pipeline can be found by 3 step process of the installation, the patrol and the analysis.



Analyzer

Logger



Instruments for the location of underground utilities and water leaks.

# FUJI TECOM INC.

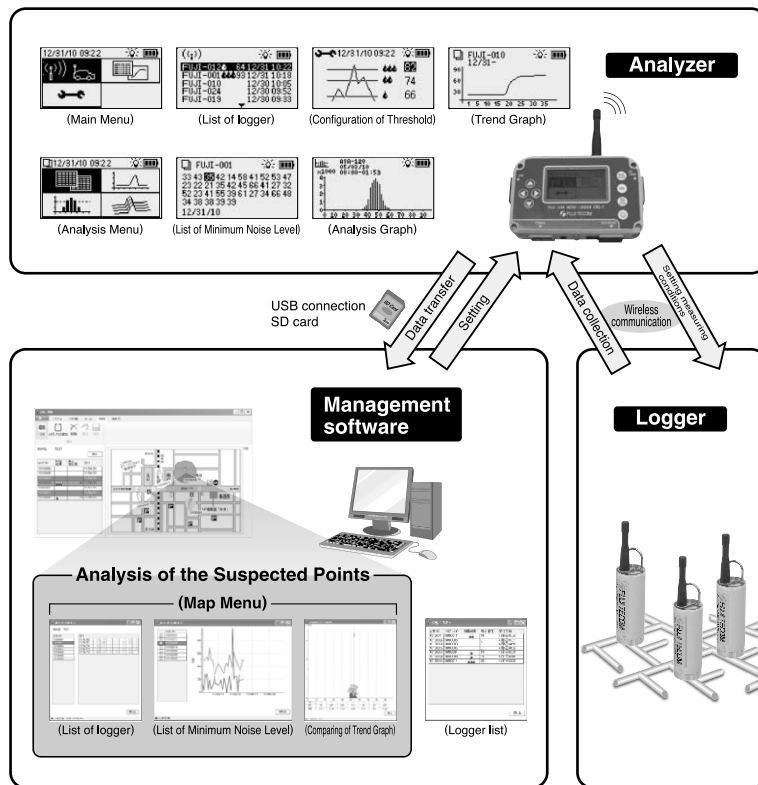
# FUJI LEAK NOISE LOGGER SYSTEM

## LNL-1 FUJI LEAK NETS

### FEATURES

LNL-1 is an acoustic data logger system designed for detecting and monitoring leakage on water pipelines.

- **LOGGERS**, equipped with high sensitivity sensors are deployed on pipe fittings such as valves, fire hydrants. The loggers record "minimum noise level" at the points on the pipeline.
- **ANALYSER**, the recorded data are downloaded by radio communication by the Analyser. And the Analyser shows 3 levels of leak possibilities at given thresholds.
- **SOFTWARE**, the PC software identifies each logger and visualizes it on the map. The results of Minimum Noise Level are indicated in each area or blocks. The results are displayed as graph. Temporary change of sound is also displayed.



### COMPONENT

#### ■ Standard components

- |                           |    |                                     |   |
|---------------------------|----|-------------------------------------|---|
| ① Analyzer .....          | 1  | ⑥ USB authentication key ...        | 1 |
| ② SD card .....           | 1  | ⑦ USB cable .....                   | 1 |
| ③ Logger .....            | 10 | ⑧ AC power supply adapter (12V) ... | 1 |
| ④ Storage case .....      | 1  | ⑨ Operation manual .....            | 1 |
| ⑤ Management software ... | 1  | ⑩ Warranty certificate .....        | 1 |

#### ■ Optional accessories

- ⑪ Additional loggers for extended deployment (10 loggers/order)
- ⑫ Installation rope (For installation on deep pipeline.)
- ⑬ Storage case for additional loggers (Maximum 20 loggers can be contained.)
- ⑭ Power supply cable for use with automobile cigarette lighter socket.

### SPECIFICATIONS

#### ■ Analyzer

- Power supply : Rechargeable lithium-ion battery
- Operating temperature range : -20 to 50°C
- Protection level : IP52
- Continuous operating time : 10 hours or more
- Charging time : About 3.5 hours
- Wireless communication : 433MHz band
- Memory : SD card (2GB)
- Number of saved data : 500 data (for 500 loggers)
- Dimensions and weight : 166(W)×40(D)×105(H)mm, About 560g (not including protrusion)

#### ■ Logger

- Power supply : Lithium battery
- Sensor sensitivity : 1V/g
- Operating temperature range : -20 to 50°C
- Protection level : IP68 (water depth 2m)
- Continuous operating time : 8 years or more (+20°C)  
\*at our specified setting conditions
- Wireless communication : 433MHz band
- Memory : Nonvolatile ring memory
- Number of saved data : Max. 7,200 (measurement interval 1 sec.)  
×35 days = 252,000
- Dimensions and weight : φ40(D)×115(H)mm. 400g

### OPERATING ENVIRONMENT (recommended)

OS : Microsoft Windows XP (SP2 or later), Windows Vista, Windows 7 (32-bit)

PC : Processor : Intel Pentium II or superior processor

Memory : 128MB or more

Hard disk : Free space of 100MB or more

Resolution : 800x600 pixel or more

USB port : USB1.1 or later

Microsoft Office Excel : Excel 2002 or later

We reserve the right to change specifications without prior notice.



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