FUJI LEAK NOISE LOGGER SYSTEM
LNL-1 FUJI LEAK NETS

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

Analyzer

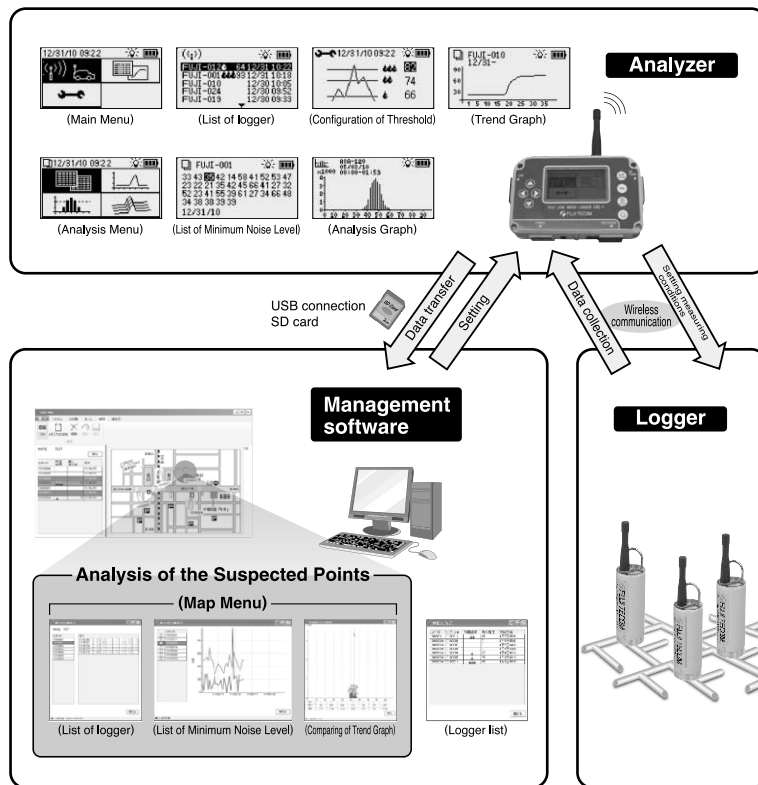Logger

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 sensor are deployed on pipe fittings such as valves, fire hydrants. The loggers record "minimum noise level" at the points of the certain intervals.

- ANALYSER, The recorded data are downloaded by radio communication by Analyser. And the Analyser shows us 3 levels of leak possibilities at any given thresholds.

- SOFTWARE, The PC software identifies each logger and visualizes it on the map. The results of Minimum Noise Level are indicated by each areas or blocks. The results are displayed as graph. Temporal sound change also displayed as a graphical chart.

COMPONENT

■ Standard components

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

■ Optional accessories

⑪ Additional loggers for expansional deployment (10 loggers/order)
⑫ Installation rope (Jigs for installation in deep end of water)
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℃
- 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
- Senssor sensitivity : 1V/g
- Operating temperature range : -20 to 50℃
- Protection level : IP68 (water depth 2m)
- Continuous operating time : 8 years or more (+20℃) *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

(Main Menu)　(List of logger)　(Configuration of Threshold)　(Trend Graph)　**Analyzer**

(Analysis Menu)　(List of Minimum Noise Level)　(Analysis Graph)

USB connection SD card

Data transfer　Setting　Data collection　Wireless communication　Setting measuring conditions

Management software　**Logger**

Analysis of the Suspected Points
(Map Menu)

(List of logger)　(List of Minimum Noise Level)　(Comparing of Trend Graph)　(Logger list)

OPERATING ENVIRONMENT (recommended)

OS : Microsoft Windows XP (SP2 or later), Windows Vista, Windows 7 (32-bit)
PC : Processer : Intel Pentium Ⅱ or superior processer
　　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.