FUJI LEAK NOISE CORRELATOR LC-2500

ADVANCED HIGH-SPEED DIGITAL PROCESSING AND STURDY COMPOSITION WITH THE EASY OPERATION!

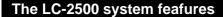
The Leak Noise Correlator LC-2500 provides a quick solution by pinpointing a location of a leak on all type of pipe.





FUJI LEAK NOISE CORRELATOR

LC-2500



- High-speed processing by 24 bits Digital Signal Processor (DSP).
- High impact and vibration resistant.
- Large LCD display.
- Language function. Furnishing in some other languages is possible besides English.
- Self-checking function. When the main unit is powered on, the main unit automatically checks battery power, signal received, and etc.
- Leak noise frequency analyzing function. Analyzing a leak noise frequency with FFT function.
- Variety of frequency filter setting.
- Leak noise recording function. The main unit is able to record a leak sound received by both pre-amplifiers.
- Noise evaluation function. To evaluate the detected noises by tri-level ranking.
- Either dry cell battery or rechargeable battery is available.



The LC-2500 system includes :-

① LC-2500 main unit 1 2 Pre-amplifier (Blue and Red) ---- 2 3 Pick-up sensor -----2 4 Stereo headphones 1 5 PC connecting cable ----- 1 6 Sensor connecting adapter ----- 2 Shoulder belt for main unit 1 Waist belt for main unit

 Aluminum carrying case English operation manual ----- 1

- Optional accessories consist of .-
- Cable dram
- Cable dram connecting cable
- Charger with rechargeable battery
- Hydrophone sensor

The LC-2500 system specifications

Specifications of Main Unit

Operation temperature range : -20 to 50℃

Applicable standard External dimensions 197(W)×100(D)×250(H) mm Approx. 3.1kg (including batteriesv LR20×4 (DC 6V) Weight

Battery Continuous operating time 8h, min.(at 20°C)

Minimum operating voltage Radio or Cable Input Display Dot matrix LCD Operation

Polarity correlation ±50 ms, ±100ms, ±200ms, ±400ms, ±800ms, ±1600ms or automatic setting Td range

 $25 \mu s$ (in $\pm 50 ms$ range), $100 \mu s$ (in $\pm 200 ms$ range), $400 \mu s$ (in $\pm 800 ms$ range), $100 \mu s$ (in $\pm 800 ms$ range), $100 \mu s$ (in $\pm 800 ms$ range), Time resolution $50 \mu s$ (in $\pm 100 ms$ range) 200 μs (in $\pm 400 ms$ range) 800 µs (in ±1600ms range)

Filter range

Notch filter OFF, 50Hz, 60Hz

Auto filter Automatically selected according to the result of FFT

operation

Data memory 100 data sets FFT monitor 1kHz, 2.5kHz, 5kHz (common to both channels)

Sound memory For 16-second External interface

Specifications of Pre-amplifier

Operation temperature range: -20 to 50°C

Applicable standard External dimensions 150(W)×110(D)×240(H) mm Approx. 2.85kg (including batteries) LR20×6 (DC 9V) Weight

Batterv Continuous operating time 8h, min.(at 20°C)

Minimum operating voltage 6.0V

Input frequency range : 0.1Hz to 5kHz (at THRU filter setting) 100Hz to 5kHz (at STD filter setting) 50 \(\mu \), max.

Input sensitivity Signal to noise ratio 35dB, min. Radio communication system

Output frequency UHF under a radio approval Direct frequency modulation 0.5W (500mW) Modulation

Output power Output impedance

 Specifications of Pick-up sensor Type Voltage sensitivity Piezoelectric pick-up senser

2.5V/g Applicable standard Drop resistance External dimensions IP68 1m (asphalt)

φ 30mm×130mm (H)

0.42kg 5V Power supply voltage Power supply system Output impedance : 100Ω , max.

We reserve the right to change specifications without prior notice.



Instruments for the location of underground utilities and water leaks

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