DUAL LASER STRUCTURAL MOVEMENT TELEMETER

PRODUCT INFORMATION

A professional device using eye-safe lasers for continuous monitoring of building stability. It features laser mm-level deformation monitoring accuracy, acousto-optic and voice alarms, and multi-point real-time monitoring.Suitable for detecting any slight movement of dangerous buildings and other structures in scenarios like fires, earthquakes, explosions, building collapses, and landslides.

APPLICATION SCENARIO

Earthquake Rescue Site: After an earthquake, the structure of buildings is severely damaged, and secondary collapses may occur at any time. The Dual Laser Structural Movement Telemeter can be quickly deployed around dangerous buildings to monitor the displacement of key parts in real time. Based on the monitoring data, rescue workers can accurately judge the stability of the buildings and carry out rescue operations safely and efficiently, avoiding casualties caused by the sudden collapse of the buildings.

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Dual Laser Structural Movement Telemeter

YZ-120 PRO

FEATURES

Precise Monitoring: Equipped with 2 laser beams, monitoring 2 points simultaneously to enhance accuracy and coverage.

High-Precision Monitoring: High resolution with mm-level laser monitoring, 0.1° tilt resolution, and automatic precision adjustment.

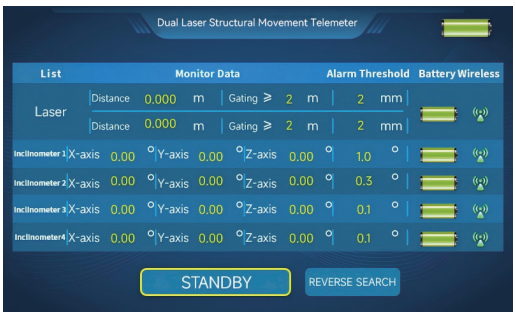
Convenient Display: Built-in screen supports dual-display, making it easier to compare monitoring points, take photos, and record videos.

Safety Assurance: Features acousto-optic and voice alarms, with voice prompts for issues like too close/far distance, observation anomalies, and low battery.

Reverse Search: One-key search function for easy device locating.

Multi-Level Settings: Stepless multi-level adjustment, supporting fixed alarm values and arbitrary custom settings.

USER INTERFACE



TECHNICAL SPECIFICATIONS

Laser main unit	
Power Supply Method	The machine uses a rechargeable lithium - ion battery, and the battery is detachable (7.4V).
Charging Interface	TYPE - C interface
Display Screen	Equipped with an OLED liquid - crystal display screen. Screen size: 4 inches, resolution 800*480
Displacement Measurement Accuracy	1mm
Displacement Detection Distance	≥100 meters
Laser Beams	2 red laser lights, 1 green laser light
Threshold	Threshold adjustment range: 1 - 999mm
Visible - Light Camera	Optical zoom, focal length 4.5 - 50mm with 10 - times zoom. Focus adjustment, auto - focus function.
Audible and Visual Alarm	Alarm sound > 120db
Telescope	4×32 (4 - times magnification, aperture 32mm)
Size	316.6*204*182.8mm （±10%）
Weight	3000g (±10%) (including 1 battery + antenna)
Operating time	Battery life: ≥8h (±10%). Battery level can be displayed on the screen.
Operating temperature	-20℃~60℃
System	
Selective Passage	0 - 99 meters
Alarm Threshold	1 - 999mm
System configuration	Display and control terminal, laser displacement main unit, antenna, charger, instruction manual, packaging box
Aftershock Inclination Monitor	
Alarm threshold	0.1°~10°
Accuracy	0.1°
Resolution	0.01°
Angle Measurement Range	Three - dimensional 360°
Power Supply Method	Built - in lithium - ion battery, 3.7V
Display Screen	1.8 inches
Alarm Volume	95dB
Weight	540g (±10%)
Dimensions	135×108×51.8mm (±10%)

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