

DMS-24



Dynamic Datalogger

Be the frontier of environmental monitoring

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Introduction

The DMS-24 Dynamic Datalogger redefines precision in data logging with its exceptional dynamic range exceeding 120dB. Whether deployed in Earthquake Early Warning Systems (EEMS), Rapid Structural Health Monitoring (RSHD), or bridge monitoring, this versatile device stands out as a reliable solution for a myriad of applications. For optimal performance, the DMS-24 is recommended to be paired with our advanced force balance accelerometers – SHAKE FA135 and SHAKE FA335. The device's seamless integration is further enhanced by its support for Modbus TCP and MQTT protocols, facilitating straightforward communication and interoperability within existing networks.

DMS-24 allows users to fine-tune data logging parameters according to specific requirements, adding a layer of adaptability to its capabilities. The built-in web graphical user interface (GUI) enhances user experience, providing easy access to device settings and real-time data visualization.



Key Features



Dynamic Offset



Built-in Web GUI



Modbus Protocol



Support Real-time
Outputs of Local Intensity Scale



Time Synchronization
via NTP

Applications

- ✓ Earthquake Early Warning System (EEMS)
- ✓ Rapid Structural Health Diagnostic (RSHD)
- ✓ Bridge Monitoring

Best Suited



Dam Monitoring



Residential Buildings



Bridge Engineering

Specifications

Connected Sensors	Tri-axial Force Balance Accelerometer
Channel of Sensor	4
Measuring Range	± 2 g
Selectable Sensitivities	5 V/g
Power Consumption	500mA@12VDC
Power Supply	12 VDC
Full Scale Output	± 10 V fully differential at 50 ohm
Bandwidth	DC - 100 Hz
ADC Resolution	24 bit
Sampling Rate	50 sps, 100 sps, 200 sps, 400 sps
Offset Drift	0.000001 g/°C
Communication	RJ-45
Operation Temperature	-20°C to 70°C
Storage	16 GB (option to 64GB)
Built-in Watch Dog Function	10 s
Network Module	10/100Base -TX Ethernet Controller
Algorithms	Pd, PGA, STA/LTA

*All prices, features, and specifications are subject to change without prior notice.

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Sanlien Technology is committed to making environments safe for humans. Hence, we insist on continuing R&D investments, perfecting our manufacturing of monitoring systems, and expanding into Smart City and IoT monitoring. With more than 1,000 local and international customers, Sanlien is trusted by global customers with high standards. By working with renowned agents around the world, we ensure the optimal performance and reliability of our services. With 50 years of profound experience in Taiwan, Sanlien has become the most exceptional provider of measuring technologies in the Asia-Pacific region. Sanlien has conceptualized the idea of being a global partner into a three-in-one strategy: long-term deployment of globalization, integration of local resources, and localized operations. We shall march on step by step with the stamina for running a marathon.

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