

DL-DAQ-801 Technical Specification

Handheld Dynamic Signal Analyzer

Handheld dynamic signal analyzer for on-site strain, vibration, noise, pressure, force, speed, and displacement acquisition, supporting tachometer and voltage channels, GND, single-ended DC, differential DC, AC, and IEPE inputs, IEPE power, wide voltage ranges, independent operation, touchscreen control, on-device storage, and battery-powered field use.

System Category	DL-DAQ
Signal Type	Handheld dynamic analysis
Measurement Range	+/-50 mV to +/-30 V voltage ranges
Sampling / Response	DC to 100 kHz frequency response; up to 256 kHz sampling ranges
Communication	Standalone handheld operation
Protection / Enclosure	Handheld field instrument
Power Supply	Battery-powered handheld unit
Installation	Portable handheld testing

Key Features

- Handheld dynamic acquisition supports quick field diagnosis and inspection.
- Multiple input modes support vibration, noise, pressure, force, speed, and displacement measurement.
- IEPE power supports compatible acceleration and acoustic sensors.
- Portable standalone operation reduces setup time for field troubleshooting.

Typical Use Cases

- On-site structural and industrial vibration inspection.
- Portable dynamic signal analysis where a full DAQ system is unnecessary.

Deployment Notes

- Confirm input mode, range, IEPE power, tachometer setup, storage, and battery capacity.
- Use suitable sensor mounting and cable shielding for reliable field measurements.
- Remove original supplier model names from public pages.

Technical Highlights and Standards

- Handheld operation
- Voltage and IEPE inputs
- Tachometer channel
- DC to 100 kHz response

- +/-50 mV to +/-30 V ranges
- Battery-powered field use

Branding, supplier names, phone numbers, email addresses, physical addresses, logos, customer lists, prices, and original supplier model identifiers have been intentionally excluded from this public specification.