

# DL-DAQ-803 Technical Specification

## Portable Dynamic Signal Acquisition System

Portable dynamic signal acquisition system with 16 or 32 synchronized channels, supporting strain, force, pressure, displacement, velocity, acceleration, IEPE acceleration, acoustic, and voltage inputs, USB 3.0 communication, 24-bit A/D conversion, built-in battery operation, TEDS support, bridge self-check, long-duration real-time recording, and field testing or inspection workflows.

System Category	DL-DAQ
Signal Type	Portable dynamic DAQ
Measurement Range	16 or 32 synchronized channels
Sampling / Response	Dynamic synchronized acquisition
Communication	USB 3.0
Protection / Enclosure	Portable field instrument
Power Supply	Built-in battery
Installation	Portable field or inspection setup

### Key Features

- Portable 16 or 32-channel system supports field testing and inspection workflows.
- Mixed input support covers strain, vibration, acoustic, force, pressure, displacement, and voltage channels.
- USB 3.0, built-in battery, TEDS, and bridge self-check support efficient field setup.
- Technical basis may reference GB/T 6587 II environmental requirements.

### Typical Use Cases

- Portable structural, mechanical, and electronic product dynamic testing.
- Field inspection requiring synchronized mixed-signal dynamic acquisition.

### Deployment Notes

- Confirm input type mix, channel count, battery duration, sampling rate, and storage plan.
- Run channel self-check and verify sensor power before long-duration recording.
- Remove original customer lists, company names, and purchase-date tables.

### Technical Highlights and Standards

- 16 or 32 synchronized channels
- 24-bit A/D conversion
- USB 3.0
- Built-in battery

- TEDS support
- GB/T 6587 II reference

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.