

# DL-DAQ-903 Technical Specification

## Portable Modal Testing System

Portable modal testing system for force-measurement modal experiments, supporting hammer excitation, shaker excitation, single-point pickup, single-point excitation modal analysis, 4 IEPE input channels, USB 3.0 communication and power, 128 kHz per-channel sampling, IEPE acceleration and force sensors, filtering, TEDS support, and long-duration synchronized recording.

System Category	DL-DAQ
Signal Type	Modal testing
Measurement Range	4 IEPE input channels
Sampling / Response	Up to 128 kHz per channel
Communication	USB 3.0 communication and power
Protection / Enclosure	Portable test enclosure
Power Supply	USB 3.0 power
Installation	Portable modal test setup

## Key Features

- Portable modal testing supports hammer and shaker excitation workflows.
- Four IEPE channels support acceleration and force sensor inputs.
- USB 3.0 communication and power simplify field and laboratory setup.
- TEDS support improves sensor setup traceability.

## Typical Use Cases

- Experimental modal analysis using hammer or shaker excitation.
- Portable structure and component dynamic characterization.

## Deployment Notes

- Confirm excitation method, pickup points, IEPE sensor type, sampling rate, and analysis software workflow.
- Plan cable routing and sensor mounting to avoid local resonance and measurement error.
- Do not include original supplier model names or promotional wording in public pages.

## Technical Highlights and Standards

- 4 IEPE input channels
- 128 kHz per channel
- USB 3.0 communication and power
- Hammer and shaker excitation

- TEDS support
- Modal analysis workflow

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.