DL-DAQ-804 Technical Specification

Portable Dynamic Signal Acquisition System with Embedded Computer

Portable dynamic signal acquisition system with embedded computer, 9.7-inch touchscreen, solid-state storage, strain, vibration, noise, force, displacement, pressure, IEPE, voltage, CAN, GPS or BeiDou, tachometer, counter, and video inputs, CAN 2.0B parsing, trajectory recording, channel self-check, TEDS support, rechargeable battery operation, and synchronized data and video analysis.

System Category	DL-DAQ
Signal Type	Embedded portable DAQ
Measurement Range	Strain, vibration, noise, force, displacement, pressure, IEPE, voltage, CAN, GPS/BeiDou, tachometer, counter, and video inputs
Sampling / Response	Dynamic synchronized acquisition
Communication	Embedded touchscreen system with CAN 2.0B parsing
Protection / Enclosure	Portable field instrument
Power Supply	Rechargeable battery
Installation	Portable field testing station

Key Features

- Embedded touchscreen and storage enable standalone field dynamic testing.
- Rich input set supports vehicle, industrial, and structural test scenarios.
- CAN 2.0B parsing, GPS/BeiDou, video, and trajectory recording support mobile testing.
- Technical basis may reference GB/T 6587 III environmental requirements.

Typical Use Cases

- Vehicle, mobile equipment, and field dynamic signal testing.
- Tests requiring synchronized sensor data, CAN data, GPS trajectory, and video.

Deployment Notes

- Confirm channel mix, CAN database requirements, GPS/BeiDou use, video inputs, storage, and battery duration.
- Run channel self-check and TEDS identification before field recording.
- Remove original supplier product numbers and marketing claims.

Technical Highlights and Standards

- 9.7-inch touchscreen
- Embedded computer and SSD

- CAN 2.0B parsing
- GPS / BeiDou / video inputs
- TEDS support
- GB/T 6587 III 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.