

DL850/DL850V

ScopeCorders

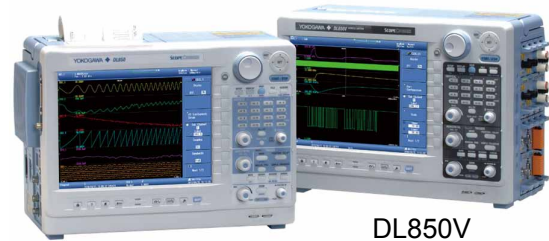
SCOPECORDER

The DL850/DL850V ScopeCorders are modular, signal waveform recording instruments that can synchronously measure various signals such as voltage, current, strain, and acceleration. They measure multiple physical signals for a long period at the sites of developing products in the mechatronics area where noise rejection is emphasized. The standard model DL850 and the Vehicle Edition DL850V, which is primarily intended for developing devices used in automobiles, are offered.

A total of 15 plug-in modules are available for measurement.

FEATURES

- **High speed isolated measurement (*isoPRO* technology)**
Adopting high speed optical fiber-based transmissions (isoPRM™ technology), DL850 is capable of 1 kV high voltage isolation measurement*1 while achieving high-speed data acquisition of 100 MS/s, A/D resolution of 12 bits, analog bandwidth of 20 MHz.
- **High speed waveform display (*GigAZoom2*)**
Adopting the GigazoomEngine® 2 high-speed data processing system applying Yokogawa's original data processing algorithm, DL850 can quickly display up to 2 G points data in the memory and two zoomed waveforms.
- **Excellent noise rejection performance**
Excellent noise rejection performance (high CMRR of approx. 90 dB at 10 kHz for the 10 MS/s high-speed isolation module) is achieved through exhaustive low-noise design. Even floating voltage switching waveforms of inverter circuits can be precisely captured.
- **Multi-channel measurement**
With maximum 8 modules of the 16-CH voltage input module (scanner type), 128-CH voltages can be measured at 10 kS/s sample rate. One logic input module can measure 16 relay states or sequence states simultaneously, enabling measurement of 128 logic states with eight modules.
- **CAN bus monitoring (DL850V model only)**
By using the CAN bus monitoring module, DL850V can display the communication data of the CAN bus protocol in analog trend waveforms for monitoring. Database container (DBC) files*2 are also available.



DL850

DL850V

SPECIFICATIONS

- Max. sampling rate: 100 MS/s*3
- Frequency bandwidth: 20 MHz*3
- Number of input channels: max. 128 (8 slots)*3
- Logic inputs: max. 128 (720230 model)
- A/D resolution: 16 or 12 bits*3
- Time axis setting range: 100 ns/div to 3 days/div*3
- Max. recording length: standard 250 Mpts
/M1 option: 1 Gpts
/M2 option: 2 Gpts
- Number of waveforms for between-channel math.: Max. 8
- Number of waveforms for real time math.: Max. 16 (option)
- Built-in media drive: SD memory card slot (standard)
160 GB HDD (option)
External HDD I/F (option)
- Communication interface: USB2.0 (standard)
1000Base-T Ethernet (standard)
GP-IB (option)
- Other options: IRIG interface
User defined calculation
Probe power output
- Display: 10.4-inch color TFT LCD display
- Dimensions: 355 mm (W) x 259 mm (H) x 180 mm (D)
- Weight: Approx. 6.5 to 9.0 kg
(depend on the kind and number of modules to be equipped)

*1: with high-speed isolated module and isolated probe

*2: data base files created with CANdb or CANdb++ of Vector Informatik for defining signals.

*3: depend on input modules

Contact us

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For worldwide locations, please see the back cover.

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