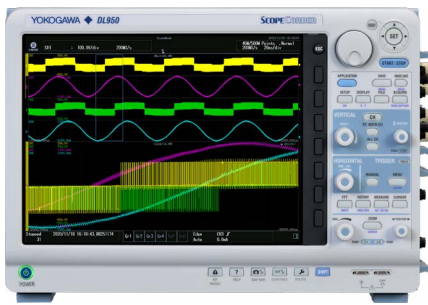


## DL950 ScopeCorder

# Versatility to discover more

The DL950 ScopeCorder captures and analyses a wide variety of electrical, physical sensor signals and serial buses. It offers a unique combination of high sampling rates, for a detailed view and long recording time to monitor trends over time.



### High-Speed Data Acquisition

Whether the measurement signals are derived from the smallest electric drives incorporated in a precision watch, a large turbine found in a power generating facility, sensors and electronics found in a modern electric vehicle or coming from household appliances, the features and flexibility that come with the DL950 ScopeCorder offer value to all these applications.

- Transportation
- Renewables
- Home & Industrial Appliances

- Up to 32 analog or 128 digital channels
- Measure up to 50 days, or stream continuously to a PC.
- High-speed sample rate up to 200 MS/s
- 12-bit, 14-bit or 16-bit waveform resolution
- Up to 8 Gpoint acquisition memory
- Large 12.1-inch touch screen

### Swappable input modules with built-in signal conditioning

Choose from 21 input modules to configure a ScopeCorder up to 128 channels and gain a thorough insight into any application by synchronizing the measurement of different types of electrical and physical signals.

- Voltage and current with isolation up to 1000V
- Mechanical sensor outputs
- Temperature, vibration / acceleration, strain and frequency
- Logic signals & vehicle serial bus (CAN / CAN FD / LIN / SENT)



### Precise measurement of fast switching signals

The housing for the input modules includes both shielding for the single input channel and extra shielding for the housing of the input module. Using this double shielding method results in high noise rejection and low channel interference even in the harshest environments.

#### 200 MS/s, 14-bit Isolation Module (720212)

- 2 Channels
- Optical isolated inputs of up to 1000 V
- Up to 20 seconds continuous measurement

#### 10 MS/s, 16-bit Isolation Module (720256)

- 4 Channels
- Isolated inputs of up to 600 V
- Enables up to 32 analog channels in a single DL950



## Application Driven Menu

The DL950 ScopeCorder simplifies measurement setup for various applications. Simply press the application button and get started. A guide through wizard enables easy setup of frequently used applications such as:

- Long term data recording
- Power line monitoring
- Motor and inverter test
- Physical phenomena analysis

## Intuitive “touch” operation

The large 12.1-inch touch screen enables intuitive operation and offers great visibility on the measured signals.

- Easy menu operation
- Use pinch to zoom into waveform details



## Optimised for high-speed DAQ

The DL950 ScopeCorder is a data acquisition system optimised for high-speed. It supports a rich set of features that enable users to acquire, optimise and store multi-channel waveform data up to 50 days or stream continuously.

### 8 GPoint acquisition memory (/M2)

- Up to 200 MS/s – 16 channels

### Flash Acquisition 160 GB (coming soon)

- Up to 20 MS/s – 8 channels
- Up to 10 MS/s – 16 channels

### SSD 512 GB Hard disk (/ST1)

- Up to 2 MS/s – 1 channel
- Up to 200 kS/s – 16 channels

### High-speed PC streaming (/C60)

- Via 10 Gbps Ethernet (optical)
- Up to 10 MS/s – 8 channels
- Up to 5 MS/s – 16 channels

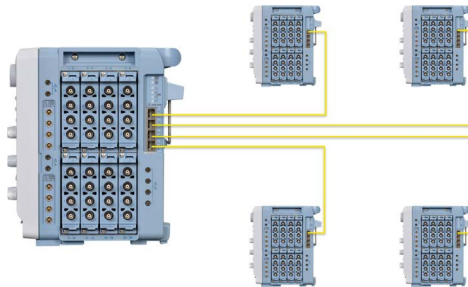
### Normal PC streaming

- Up to 2 MS/s – 1 channel
- Up to 200 kS/s – 16 channels

## Multi-unit synchronisation (/C50)

Extend the number of measurement channels by synchronizing up to 5 DL950's units

- Up to 160 input channels
- Synchronization using optical transceiver 720941 and fiber optic cable 720942.
- Synchronize measurement start/stop, trigger and sample clock



## Why choose the DL950?

**Insight** – The DL950 ScopeCorder measures signals at a high-bit resolution and secures data in the harshest environments with superior noise-immunity and isolation technology

**Versatility** – Equipped with a selection from over 20 types of input modules, with built-in signal conditioning, a DL950 ScopeCorder combines a wealth of measurements of electrical-, mechanical and decoded vehicle serial bus signals.

**Usability** – The DL950 ScopeCorder simplifies measurement setup for various applications - Press the application button and get started!

### YOKOGAWA EUROPE B.V.

Euroweg 2, 3825 HD Amersfoort  
The Netherlands  
Tel. +31 88 464 1429  
tmi@nl.yokogawa.com

[tmi.yokogawa.com](http://tmi.yokogawa.com)