

Leaflet

DL350 Isolated Measurement Package

Target customers: R&D of DC/DC converter, power conditioning system, battery, motor and inverter



ScopeCorder DL350

Are you having trouble selecting a portable high-voltage measuring instrument?

- I'm not sure what kind of measuring instrument to choose.
- I want to safely measure high voltage signals from power supplies and inverters.
- I want to measure without using expensive differential probes or worrying about the potential at the measurement point.

The isolated, portable DL350 is convenient when you want to measure high voltages safely and inexpensively.

Please select from the following configurations according to your purpose. If you want to:

First introduce an isolated measuring instrument	▶	DL350 Isolated Measurement Package
Introduce a high-speed sampling, isolated measuring instrument	▶	DL350 Isolated Measurement Package (High Speed)
Introduce a multi-channel, isolated measuring instrument	▶	DL350 Isolated Measurement Package (Multi-CH)
Introduce a battery-powered measuring instrument that can monitor power lines and analyze failures.	▶	DL350 Isolated Measurement Package (Power line monitoring)
Record GPS time and location information with voltage, vibration and other data during a vehicle driving test.	▶	DL350 Isolated Measurement Package (GPS Sync.)

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DL350 Isolated Measurement Package

Target customers: R&D of DC/DC converter, power conditioning system, battery, motor and inverter



2ch Isolated Measurement set

Features

- Internal channel-to-channel isolation structure eliminates the need for differential probes.
 - Simultaneous measurement with maximum input voltage of 800V, 12-bit, and 10MS/s
 - AC/DC/Battery (Max. 3 hours)* operated
- * /EB option.

Featured Functions

- Scope mode and Memory recorder mode
 - Can be used both as an isolated oscilloscope and as a data recorder
- Auto-setup
 - Automatically sets the optimal vertical and horizontal axes for the input signal and displays the waveform
- Dual zoom display
 - Simultaneous zooming with two different magnification factors
- History function
 - Automatically saves up to 1000 trigger waveforms
 - Saved waveforms can be searched and analyzed later
 - No need to reset trigger conditions or remeasure



Package configuration

DL350

Model	Description	Qty
DL350-Hx	DL350 ScopeCorder	1
x: Select Language		
/EB	Battery pack + Battery pack cover	
720921-x	AC Adapter	1
X: Select Country		

Plug-in Module

Model	Description	Qty
720250	High-speed 10 MS/s 12-bit Isolation Module	1

Probes, cables

Model	Description	Qty
702902	10:1 Isolated Passive probe	2

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DL350 Isolated Measurement Package (High Speed)

Target customers: R&D of DC/DC converter, power conditioning system, battery, motor and inverter



2ch, 100MS/s Isolated Measurement set

Features

- Internal channel-to-channel isolation structure eliminates the need for differential probes.
 - Simultaneous measurement with maximum input voltage of 1000V, 12-bit, and 100MS/s
 - AC/DC/Battery (Max. 3 hours)* operated
- * /EB option

Featured Functions

- Scope mode and Memory recorder mode
 - Can be used both as an isolated oscilloscope and as a data recorder
 - Functions as a 20MHz isolated oscilloscope with up to 4 channels
- 100Mpoints/module long memory
 - Max. 20Gpoints continuous recording to an SD card
- Dual zoom display
 - Simultaneous zooming with two different magnification factors
- A variety of analysis functions
 - Auto-setup, History Function, Automated measurement of waveform parameters, Statistical analysis
 - Waveform math, FFT, GO/NO-GO determination, etc.



Package configuration

DL350

Model	Description	Qty
DL350-Hx	DL350 ScopeCorder	1
x: Select Language		
/EB	Battery pack + Battery pack cover	
720921-x	AC Adapter	1
X: Select Country		

Plug-in Module

Model	Description	Qty
720211	High-speed 100 MS/s 12-bit Isolation Module	1

Probes, cables

Model	Description	Qty
702902	10:1 Isolated Passive probe	2

LF_DL350_BasicPackHighSpeed-01EN
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DL350 Isolated Measurement Package (Multi-CH)

Target customers: R&D of DC/DC converter, power conditioning system, battery, motor and inverter



8 ch, 16-bit Isolated Measurement set

Features

- Internal channel-to-channel isolation structure eliminates the need for differential probes.
 - Simultaneous measurement with maximum input voltage of 600V, 16-bit, and 1MS/s
 - AC/DC/Battery (Max. 3 hours)* operated
- * /EB option

Featured Functions

- Scope mode and Memory recorder mode
 - Can be used both as an isolated oscilloscope and as a data recorder
- 100Mpoints/module long memory
 - Max. 20Gpoints continuous recording to an SD card
- Dual zoom display
 - Simultaneous zooming with two different magnification factors
- A variety of analysis functions
 - Auto-setup, History Function, Automated measurement of waveform parameters, Statistical analysis
 - Waveform math, FFT, GO/NO-GO determination, etc.



Package configuration

DL350

Model	Description	Qty
DL350-Hx	DL350 ScopeCorder	1
x: Select Language		
/EB	Battery pack + Battery pack cover	
720921-x	AC Adapter	1
X: Select Country		

Plug-in Module

Model	Description	Qty
720254	4 CH 1 MS/s 16-bit Isolation Module	2

Probes, cables

Model	Description	Qty
702902	10:1 Isolated Passive probe	8

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DL350 Isolated Measurement Package (Power line monitoring)

Target customers: R&D of DC/DC converter, power conditioning system, battery, motor and inverter



ScopeCorder DL350

4ch, Isolated, High-Voltage & Logic Measurement set

Features

- Internal channel-to-channel isolation structure eliminates the need for differential probes.
- Simultaneous measurement with maximum input voltage of 1000V, 16-bit, and 1MS/s
- AC/DC/Battery (Max. 3 hours)* operated

* /EB option

Featured Functions

- An 8.4-inch resistive touch screen resistant to noisy environments
 - Can be operated with a stylus pen or gloves
- Wave window trigger to detect power abnormalities
 - Accurately captures momentary power interruptions, sags, surges, and frequency fluctuations
 - No need for complicated trigger combination settings
- Harmonic measurement function
- Simultaneously records power supply switching control logic signals
 - Up to two 700987s can be connected to the DL350, allowing 16-bit recording.
- Action function
 - Saves data and sends an email when a trigger occurs



720268



700987

Package configuration

DL350

Model	Description	Qty
DL350-Hx x: Select Language	DL350 ScopeCorder	1
/EB	Battery pack + Battery pack cover	
720921-x X: Select Country	AC Adapter	1

Plug-in Module

Model	Description	Qty
720268	High-Voltage 1 MS/s 16-Bit Isolation Module (with AAF, RMS)	2

* For measurements, the 758917 measurement lead set and an alligator clip adaptor set (such as 758922 or 758929) are required.

Probes, cables

Model	Description	Qty
758933	Measurement lead	4
701954	Large alligator-clip (Dolphin type)	4
700987	8CH Isolated logic probe	1

LF_DL350_BasicPackPowerMonitor-01JEN
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DL350 Isolated Measurement Package (GPS Sync.)

Target customers: R&D of Automotive & Transportation, DC/DC converter, power conditioning system, battery, motor and inverter



2 ch, Isolated, Voltage & CAN FD/LIN Measurement set

Features

- Internal channel-to-channel isolation structure eliminates the need for differential probes.
 - Simultaneous measurement with maximum input voltage of 1000V, 12-bit, and 100MS/s
 - AC/DC/Battery (Max. 3 hours)* operated
- * /EB option

Featured Functions

- Simultaneous recording of analog waveforms and in-vehicle serial communication data
 - Simultaneous recording and trend display of analog and CAN/CAN FD or LIN signals
- Long-term direct recording to an SD card
 - The configuration on the right allows for 20 hours of recording at 100kS/s.
- Synchronization of measurement data and GPS information
 - Adds information such as latitude, longitude, altitude, speed, direction of travel, and time to measurement data
- Simultaneous display of measurement data and vehicle driving track
 - Measurement data and vehicle driving track on a map can be displayed simultaneously on NI DIAdem*.



Package configuration

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Model	Description	Qty
DL350-Hx	DL350 ScopeCorder	1
x: Select Language		
/EB	Battery pack + Battery pack cover	
720921-x	AC Adapter	1
X: Select Country		

Plug-in Module

Model	Description	Qty
720211	High-speed 100 MS/s 12-bit Isolation Module	1
720245	CAN FD/LIN Monitor Module	1

Probes, cables

Model	Description	Qty
702902	10:1 Isolated Passive probe	2
720940	GPS unit	1
720922	DC cable (Cigarette lighter plug Type)	1

LF_DL350_BasicPackGPS-01EN
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