

CAN Bus Signal Analysis Function Optional Specifications

Basic Specifications

Number of input channels	4 CH1: CAN bus signal input (used with a differential probe)
Maximum sampling rate	200 MS/s
Maximum record length	701610: 8 MW/CH 701620: 32 MW/CH
Frequency characteristics	200 MHz

Supported CAN Bus Specifications

CAN Bus	CAN Version 2.0B
Bit rate:	33.3 kbps, 50 kbps, 83.3 kbps, 95.2 kbps, 100 kbps, 125 kbps, 250 kbps, 500 kbps, 1 Mbps Hi-Speed CAN (ISO11898) Low-Speed CAN (ISO11519-2)

CAN Bus Trigger Functions

Trigger source	CH1: Input from the differential probe
Trigger type	SOF trigger ID Field trigger Selectable from 4 types of IDs RTR trigger Data Field trigger Configurable up to 8 bytes Error Frame trigger Combination trigger (based on a combination of these five types of triggers)

CAN Bus Analysis Functions

Number of analyzable frames	16001 maximum
Analysis results display	Listing and waveform display of analysis results Detailed analysis list display
Auxiliary analysis functions	Data Search function Field Jump function Stuff bit calculation function CAN cursor function

SPI Bus Analysis Functions

Number of analyzable data	40000 bytes maximum
Analysis results display	Listing and waveform display Detailed analysis list display
Auxiliary analysis functions	Data Search function

DL1640/DL1640L Model Names and Suffix Codes

Model	Suffix Code	Description
701610		DL1640 Digital Oscilloscope
701620		DL1640L Digital Oscilloscope
	-AC	100–120 & 220–240 VAC
	-DC ¹	12 VDC
Power cable	-D	UL/CSA standard
	-F	VDE standard
	-Q	BS standard
	-R	AS standard
	-H	GB standard
	-Y	No power cable
Internal media drive	-J1	Floppy disk drive ²
	-J2	Zip [®] drive ²
	-J3	PC card drive (type II) ²
Other options	/B5	Built-in printer
	/P4	Probe power for 701610 and 701620
	/C1	GP-IB+USB ³
	/C10	Ethernet+USB ³
	/F5	I ² C bus analyzer ⁴
	/F7	CAN bus signal analysis function⁴

- Specify -Y for the DC model.
- One or the other must be selected. Both cannot be specified at the same time.
- Both cannot be selected at the same time.
- The SPI analysis function is included with both the I²C bus analysis function and the CAN bus signal analysis function.

Accessories

Name	Model	Description
Differential probe	701922	DC to 200 MHz ⁵
50 Ω Terminator	700976	Feed-through type

- The 50 Ω terminator (model 700976) is required for connection.

Warning



- Read the Instruction Manual thoroughly to ensure safe use of this product.