# ΗΙΟΚΙ



### Use your own recorder for

# **CAN Signal Visualization**

CAN (Controller Area Network) is a serial data communications bus standard for transferring sensor data and control signals within vehicles during development or inspection.

The CAN ADAPTER 8910 allows you to freely select signals on the CAN bus for conversion to analog and logic signals for recording and monitoring. Via the real-time output, monitor CAN signals on your own MEMORY HiCORDER or other data recorder. By using it with a recorder, you can capture and store CAN sensor data and control signals along with signals acquired from non-CAN-bus devices.

### **Record combinations of**



#### CAN Setup Function (Supplemental Function for MEMORY HiCORDERs)

By connecting a MEMORY HiCORDER Model 8841, 8842 or 8826 to the CAN ADAPTER 8910 via RS-232C, the output channel and other settings can be made simply from the MEMORY HiCORDER screen.

In addition, scaling and units can be set automatically by loading setting data for the **8910** from storage media (floppy diskette, PC Card or MO disc) or via RS-232C.

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RS-232C

MO disc Floppy diskette

MEMORY HiCORDER.

Settings for the 8910 stored on floppy diskette, PC Card or MO discs by a PC can be loaded by a

CAN Setup Function Screen (on Model 8841 MEMORY HiCORDER)

## CAN bus data and other signals



### Features of the CAN ADAPTER 8910

#### Easily monitor a variety of CAN data

The CAN Adapter 8910 allows you to freely select signals on the CAN bus for conversion to analog and logic signals.

#### Monitor CAN signals on your existing MEMORY HICORDER or similar recorder

The CAN Adapter 8910 provides your selected CAN signals as analog (-5 to +5 V) or logic (0/5 V) outputs in real time. You can monitor CAN signals simply using your existing MEMORY HiCORDER or other data recorder.

#### Record combinations of CAN bus sensor data and control signals along with signals acquired from non-CAN-bus devices

To verify proper engine response and to evaluate ECUs, control signals and mechanical functions need to be recorded simultaneously. With the CAN Adapter 8910, you can record combinations of sensor data or control signals on the CAN bus and signals acquired from non-CAN-bus devices.

### CAN Set Program (PC Software Application)

You can select CAN definition data and output channels using the CAN Set Windows application running on a PC. Setting data can also be sent via RS-232C to the CAN Adapter 8910 at the touch of a button.

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#### CAN Set Screen (PC Software Application)

#### Specifications (Accuracy guaranteed for 1 year, Post-adjustment accuracy guaranteed for 1 year)

8910 CAN ADAP	TER General Specifications (Accuracy specified at 23±5°C, 30 minutes after power on, guaranteed for one year)						
CAN Input	Two CAN channels (listen-only)						
CAN Protocol	CAN vers. 2.0B (Standard/Extended formats)						
CAN Communication Speeds	125k, 250k, 500k and 1Mbps, High-Speed CAN (ISO 11898)						
Output Channels	12 Analog + 6 Logic (24 bits)						
Output Resolution	16 bits						
Output Voltage	-5 to +5 V (Analog), 0/5 V (Logic)						
Output Accuracy	±0.1% f.s.						
Response Speed	1 ms or less (single-capture ID [with at least 3 ms output interval], with the same ID assigned to all analog and logic channels, and with ID filter on; the time from receipt of a CAN message until all analog and logic output is completed)						
Interface	RS-232C (status settings)						
Ambient Environment (non-condensating)	Operating Temp & Humidity: -10 to 55°C, 30 to 80% RH Storage Temp & Humidity: -20 to 70°C, 10 to 90 % RH						
Applicable Standards	Safety: EN61010; EMC: EN61326						
Power Supply	<ul> <li>(1)Model 9418-15 AC Adapter</li> <li>(supplies 12V DC / 2.5A from 100 to 240V AC mains)</li> <li>(2)10 to 30V DC (may be obtained from vehicle)</li> <li>(3)Obtain 10 to 30V DC from CAN input connector</li> </ul>						
External Dimensions	Approx. 180W × 50H × 100D mm						
Weight	Approx. 940 g						
Setup Software	(1) CAN Set Program (PC software application) (2) CAN Setup Function (supplemental function for MEMORY HiCORDERs)						
Supplied Accessories	9418-15 AC Adapter (1), RS-232C Cable (1), 9713-01 CAN Cable (1), CD-R [CAN Set Program, CAN Setup Function] (1)						
Functional Spec	rifications						
Settings	<ul> <li>(1)CAN definition data setup (various parameter settings for capturing data from the CAN bus)</li> <li>(2)CAN input port selection</li> <li>(3)Output channel setup (select channels to output captured CAN data), etc.</li> </ul>						
Setting Methods         (a)Above settings [(1) to (3)] can be made from the C Set program (b)Above settings (3) can be made from the 8910 its MEMORY HiCORDER							
Scaling	Only linear function supported (at the MEMORY HiCORDER side)						
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Supported Model	8910 CAN ADAPTER
Supplied Media	One CD-R
Operating System Environment	Windows 95, 98, Me, NT4.0 (SP3 or later), 2000, XP
Settings	CAN definition data, CAN input ports, output channels, ID trigger, ID filter, etc.
Communications	8910: RS-232C, MEMORY HICORDER: Media (floppy diskette, PC Card, MO disc)
Saving	Saves CAN definition data and 8910 setting data
CAN Setup Funct	ion (Supplemental Function for MEMORY HiCORDERs)
Supported Recorder Models	Model 8826, 8841, 8842* MEMORY HiCORDERs
Settings	Output channels, MEMORY HiCORDER channels, D/A conversion format, logic bit assignments
Communications	8910: Model 9557 RS-232C CARD (PC Card) PC: Media (floppy diskette, PC Card, MO disc)
Communications Saving	

\* MEMORY HiCORDERs currently in use can be upgraded to support the 8910. Use the accessory CD supplied with the 8910 for the upgrade.



#### Ordering infomation



Model : CAN ADAPTER 8910

Model No. (Order Code) (Note)

8910 (For the 8841, 8826 and similar products)



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All information correct as of Nov. 1, 2017. All specifications are subject to change without notice.

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