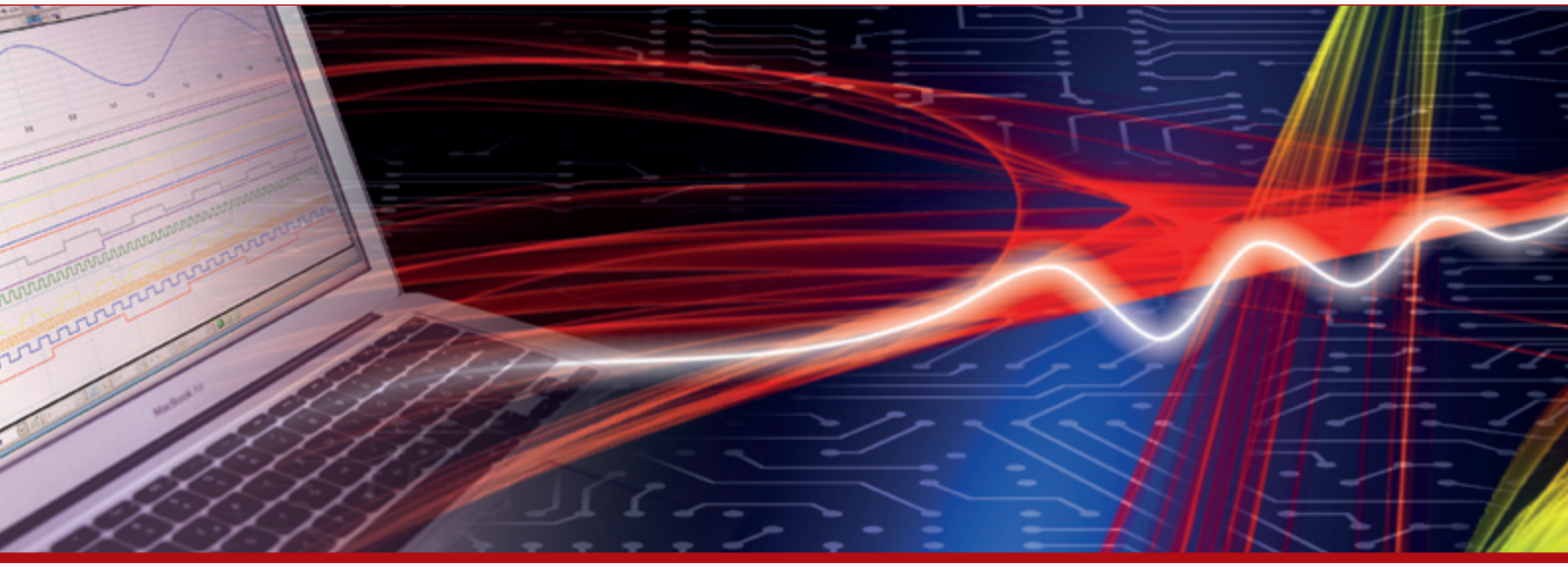
Product Datasheet - Technical Specifications



More information in our Web-Shop at ▸ **www.meilhaus.com**

Your contact

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Test&Measurement

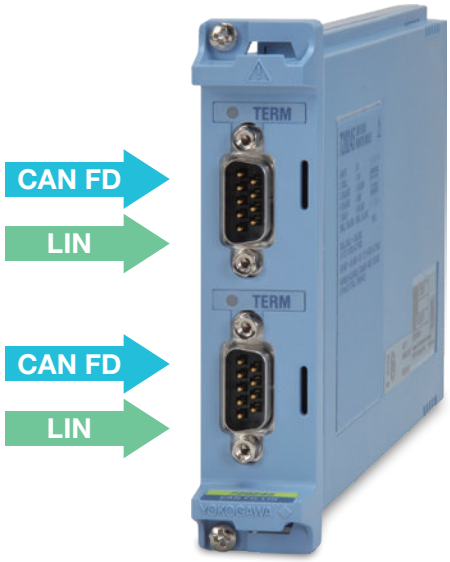
YOKOGAWA

ScopeCorder

CAN FD/LIN monitor module 720245

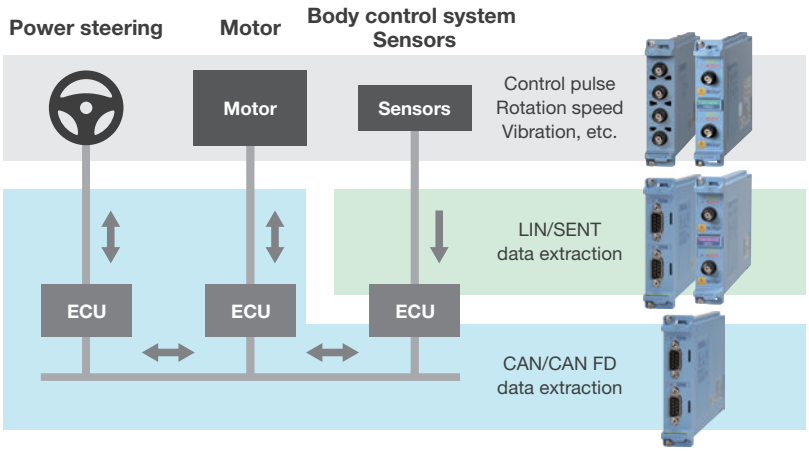
New

Strong support for development and evaluation of automobiles, trucks, and vessels



CAN FD/LIN monitor module **720245**

SCOPECORDER



Key Features

- CAN/CAN FD and LIN can be switched in a single module.
  Example: CAN/CAN FD × 2ports, CAN/CAN FD × 1 port & LIN × 1 port, or LIN × 2 ports
- Simultaneous monitoring of up to 120 signals (60 signals/port)
- SAE J1939 PGN setting values can be selected and monitored.
- Multiplexing supported
  (Extended Multiplexor is limited to the 2nd Byte.)
- One-shot output of frames at a desired timing
- Existing in-vehicle network definition files can be used with Yokogawa's free software SymbolEditor.

Compatibility between plug-in modules and main units

For in-vehicle bus monitors / ScopeCoder main unit	720245	720242	720241	720240
DL950 /VCE option	○	○	○	○
DL350 /VE option	○	○	○	○
DL850EV	–	○	○	○

Precision Making

Example Applications

Automobiles

Trucks

Industrial and Agricultural Machinery

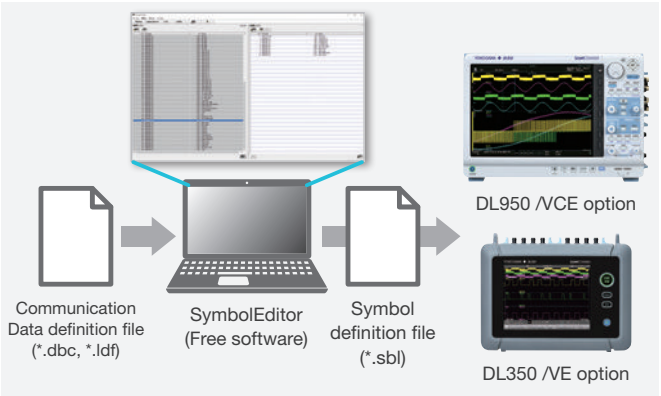
Vessels

Railroads

Airplanes

Reading network definition file

Data to be monitored or acquired can be loaded from a network definition file (CANDBC or LIN LDF). Yokogawa's free Symbol Editor software can convert a network definition file to our proprietary symbol definition file (sbl format) and import it into DL950 or DL350.



Specifications

Items	Specifications
Number of input ports	2
Input type	Isolated unbalanced
Input connector	D-sub 9 pin (male)
Maximum sample rate	100 kS/s
Port features	CAN FD/LIN switchable on each port separately
Maximum rated voltage to ground **Between input and case** **Between inputs**	42 V (DC + ACpeak) (CAT II 30 Vrms)
CAN operation specifications	
Maximum input voltage	–3 V to +10 V (between CAN_H and GND or CAN_L and GND)
Terminator	Internal, can be enabled or disabled for each port
Supported protocols	CAN, CAN FD (ISO 11898-1: 2015 or non-ISO) Physical layer: ISO-11898 (High Speed Communication)
Supported bit rates	10 kbps, 20 kbps, 33.3 kbps, 50 kbps, 62.5 kbps, 66.7 kbps, 83.3 kbps, 125 kbps, 250 kbps, 500 kbps, 800 kbps, 1 Mbps Flexible data rate 1 Mbps, 2 Mbps, 5 Mbps
Multiplexing	Supports extended multiplexing (limited to the second byte for Multiplexor signals)
SAE J1939	Source address and destination address masking possible. Can receive signals in the transport protocol
LED Display	Illuminates to indicate that the terminator is enabled
Number of sub channels	60 sub channels/ports
One shot output	Frames can be output in single shots. CAN/CAN FD package can be exported (packet format can be specified). Up to 64 bytes can be exported for CAN FD.
LIN operation specifications	
Maximum input voltage	–0.3 V to +18 V (between LIN and GND or VBAT and GND)
Supported protocols	Physical layer: Complies with ISO9141
Supported bit rates	2400 bps, 9600 bps, 19200 bps
Number of sub channels	60 sub channels
Supported check sums	Standard check sum, extended check sum
Weight	Approx. 260 g

Model and Suffix code

Model	Descriptions
720245	CAN FD/LIN monitor module

NOTICE

● Before operating the product, read the user's manual thoroughly for proper and safe operation.

Yokogawa's approach to preserving the global environment

- Yokogawa's electrical products are developed and produced in facilities that have received ISO14001 approval.
- In order to protect the global environment, Yokogawa's electrical products are designed in accordance with Yokogawa's Environmentally Friendly Product Design Guidelines and Product Design Assessment Criteria.

This is a Class A instrument based on Emission standards EN61326-1 and EN55011, and is designed for an industrial environment.
Operation of this equipment in a residential area may cause radio interference, in which case users will be responsible for any interference which they cause.

YOKOGAWA

YMI-N-MI-M-E03

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