

Move into the future with reliable measurements



CTRS-CAG010A

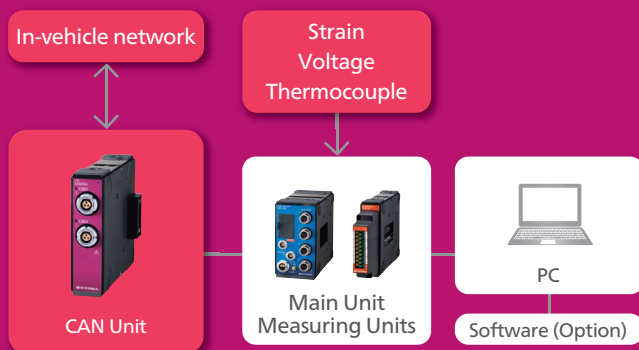
CAN Unit for CTRS-100 Series

CAN FD compatible

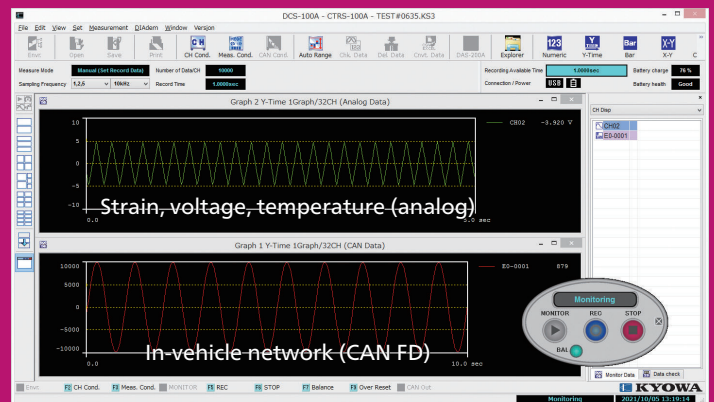
Achieved large and fast data transfer.
Records the in-vehicle network information
along with the strain, etc. simultaneously.



System Content



Software Image



Compares waveforms on the same window.

*You cannot measure data by using the CAN unit only.
*For details, contact us.

Specifications

CAN Ports	2
CAN Port Connector	ECB.1B.303.CLN LEMO made (Compatible plug FGB.1B.303.CLAD62Z)
CAN Protocol	ISO/DIS 11898-1 compliant *Support for CAN and CAN FD Frames
Supported Physical Layer	ISO 11898-2 and ISO 11898-5 *Low Speed CAN not supported
Termination Resistor	Implementation (Selectable ON/OFF)
Communication Speed	1000, 800, 500, 250, 125, 100, 83.3, 62.5, 50, 33.3, 25, 20, 10 kbps
CAN FD Data Bit Rate	5, 4, 2, 1, 0.5 Mbps, OFF *Limited by communication speed. Refer to The Configurable CAN FD Data Bit Rate Table.
CAN Recording Mode	Selected CAN ID mode (max. 1024 messages) All CAN ID mode *CAN trigger is not available (with all CAN ID mode).
Listen Only Mode	(Selectable ON/OFF) *CAN data output is not available with listen only mode.
CAN Data Output	Predetermined CAN data can be output up to 32 messages at one time.
CAN Data Output Timing	Output at start/ Output at stop/ Interval/ Manual
CAN Trigger	Received CAN messages can be used as trigger source.
CAN Trigger Type	Manual / Analog / Digital / Composite
Other Function	Automatic communication speed check
Power Supply	Supplied by the CTRS-100A or CTRS-BATT010A
Power Consumption	Approx. 0.6 W (when supplying 12 VDC)
Operating Temperature	-10 to 50°C
Operating Humidity	20 to 90% (Non-condensing)
Storage Temperature	-20 to 60°C
Vibration Resistance	49.0 m/s ² (5 G), 5 to 200 Hz
Shock Resistance	490 m/s ² (50 G), 11 ms or less, half sine wave
Dimensions	26.6(W) × 92(H) × 94(D) mm Excluding protrusions or protectors
Weight	Approx. 220 g
Utility Nuts	Size: M4, 6 places

The Configurable CAN FD Data Bit Rate Table

Communication Speed [kbps]	CAN FD Data Bit Rate [Mbps]
1000, 800	2, 1, OFF
500, 250	5, 4, 2, 1, 0.5, OFF
125	2, 1, 0.5, OFF
100, 83.3, 62.5	1, 0.5, OFF
50, 33.3	0.5, OFF
25, 20, 10	OFF

Standard Accessories Stack-connector cap (female)
Stack-connector cap (male)

Optional Accessories CTRS CAN cable 9-pin male D-sub U-135

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Safety Precautions

- Be sure to observe the safety precautions given in the instruction manual, in order to ensure correct and safe operation.
- Do not use in locations subject to significant water, dampness, steam, dust, or flammable gases. Doing so may lead to fire, electrical shock, or malfunction.

- Specifications and designs are subject to change without notice.
- Please contact us if using the detailed products for special applications.
- Detailed company and product names are the trademarks or registered trademarks of their respective owners.
- The warranty details can be found on the "Product Warranty" attached to the product and on the following website.
www.kyowa-ei.com/eng/company/quality/warranty.html
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