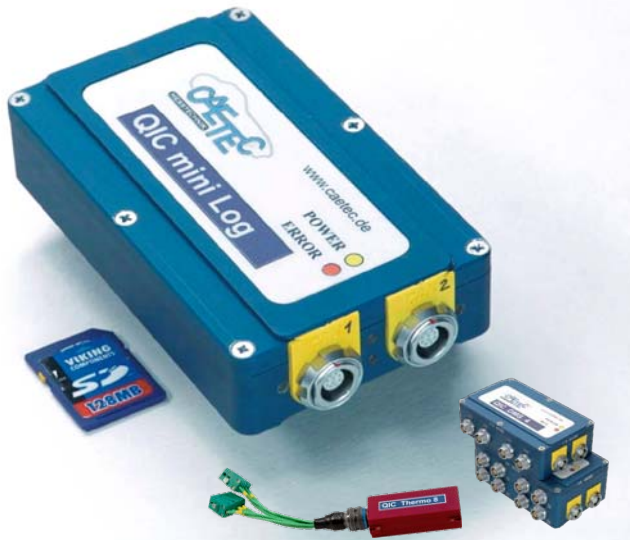


QIC miniLog • CAN Bus Datalogger with Integrated USB-to-CAN Interface



The robust and waterproof CAN Bus datalogger: QIC miniLog

- **2 Products in one:**
 - CAN Bus datalogger
 - USB-to-CAN interface
- **Fast start data storage on SD Cards with up to 2 Gb storage**
- **Simplest installation and setup**
- **Configuration software with extensive trigger functions**
- **Dual CAN interfaces: HighSpeed/HighSpeed (HS/HS) or HighSpeed/LowSpeed (HS/LS)**
- **Data conversion including MS Excel, MGraph, DIAdem, RPC, MatLab...**
- **Robust and waterproof (IP 67)**

CAN Bus data storage and CAN Bus interfacing easily made to a USB input: The new QIC miniLog

The **QIC miniLog** is a new *stand-alone CAN Bus Datalogger* with integrated *USB-to-CAN Interface*. This combination enables a flexible solution to many data recording applications: So the **QIC miniLog** can be used as a durable *CAN Bus Interface* with high data rates for on-line measurements with a PC or Laptop. The integrated firmware supports this mode. The considerable advantage of the USB interface is the simple and robust handling of CAN data conversion to a PC or Laptop. Equally the **QIC miniLog** can operate as a *stand-alone CAN Bus datalogger* for long-term testing. Two products - for the price of one!

For data storage there is an intuitive configuration program, for defining the trigger parameters and CAN channels to be recorded and to transfer the settings to the QIC miniLog.

A circular memory function and a user-friendly data converter are among the many features. The **QIC miniLog** is available in the two following 2-channel variants:

- CAN HighSpeed / HighSpeed (HS / HS)
- CAN HighSpeed / LowSpeed (HS / LS)

QIC miniLog functions:

Triggering

The **QIC miniLog** can log continuously, or logging can be triggered by external triggers (rising or falling edge) and/or by messages and signals on the CANbus (triggered by identifier, or data contents.) Pre- and post-triggers are available, of course.

Message Filter

To enhance logging performance, **QIC miniLog** can filter out selectable messages to be logged. The identifiers can be picked from a database, or all messages can be logged.

Memory Cards

With the **QIC miniLog** a massive 1 GByte of measurement data can currently be stored on standard MMC or SD Flash memory cards.

The proven signal source for the QIC miniLog: The modular QIC range

The QIC module range provides the ideal signal conditioning partner for the **QIC miniLog**. The decentralized QIC concept (Quickly Installed CAN) enables modules to be positioned close to the sensor, even in exposed areas of the vehicle normally considered too harsh for instrumentation. This flexibility and performance gives a consistent measurement scheme in the vehicle, helping to ensure a secure project development. Each of these measuring modules is a small self-sufficient measuring amplifier which, according to type, has up to 16 simultaneous isolated sensor inputs. Stable and precise measurements can be made due to careful design and the use of premium grade components. Outstanding signal quality and security of the data is assured by the digital transmission system, which is based on CAN system architecture.

QIC miniLog Features

• One device for desktop and laptop
• Quick and easy Plug-and-Play Installation
• Supports both 11-Bit (CAN 2.0A) and 29-Bit (CAN 2.0B active) identifiers
• CAN messages time stamped with 100 µs resolution
• Large on-board RAM buffer for CAN messages
• Supports “listen-only” mode for software analysis tools
• Driver support for all leading 32-Bit operating systems
• Supports all leading CAN Bus software such as MLab, Xtm, DIAdem, CANalyser, CANape, LabView
• 2 CAN interfaces (ISO 11898 HS or LS) using Philips TJA1050 or TJA 1054 Transceiver
• USB 1.1 and 2.0 standard
• Powered from the CAN Bus or USB
• Built in real-time clock with battery backup
• Operating status indicated with 4 LEDs
• Robust and waterproof (IP 67) total immersion
• Configuration software for Windows®
• Format data conversion to MS Excel®, MGraph®, DIAdem®, RPC and others
• Extensive trigger functions

Technical Data

Input nodes	2 (CAN 1, CAN 2), galvanically isolated
Power supply	+7 V to +60 Vdc
Power	~ 850 mW
Operating temperature	-25°C to +85°C
Dimensions (l x w x h)	120 x 70 x 22 mm
Weight	280 g

As competent partners and leading manufacturers of high-quality measuring systems, CAETEC Messtechnik offers with the QIC miniLog, a rugged and versatile datalogger which can also be used as a CAN to USB interface. Our products are constantly evolving to keep pace with rapidly changing requirements in the areas of vehicle development and testing. We will be happy to discuss and advise on your individual system requirements.

Please contact us!