



## KVASER U100P

EAN: 73-30130-01174-8

The Kvaser U100P is the Precision version of Kvaser's U100 range of CAN to USB interfaces. Precision features comprise a high timestamp precision of 20 000 msg/s and MagiSync™, which makes it possible to synchronise time stamps across multiple Kvaser MagiSync™-enabled devices without requiring extra wires.

### Warranty

2-year warranty. See our General Conditions and Policies for details.

### Support

Free support for all products by contacting [support@kvaser.com](mailto:support@kvaser.com).

## Major Features

- Supports CAN FD, up to 8 Mbit/s (with correct physical layer implementation).
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- Supports silent mode for analysis tools – listen to the bus without interfering.
- 20 000 msg/s, timestamped with a resolution of 1  $\mu$ s.
- Kvaser MagiSync™ – automatic time synchronization.
- Powered through the USB connector.
- Lightweight, glass fibre reinforced polyamide housing, overmolded with TPE.
- Intuitive LED UI.
- Support for SocketCAN.
- Compatible with J1939, CANopen, NMEA 2000® and DeviceNet.
- Fully compatible with applications written for other Kvaser CAN hardware with Kvaser CANlib.

## Technical Data

<b>CAN Bit Rate</b>	10 kbit/s to 1 Mbit/s
<b>CAN FD</b>	Yes
<b>CAN FD Bit Rate</b>	Up to 8 Mbit/s
<b>CAN Channels</b>	1
<b>CAN Transceivers</b>	ADM3055E
<b>Casing Material</b>	PA/TPE
<b>Connector</b>	DSUB 9
<b>Current Consumption</b>	Typical 250 mA
<b>Dimensions</b>	38 x 128 x 26 mm
<b>Galvanic Isolation</b>	Yes, reinforced. Validated with 5000 VAC rms applied for 60 seconds.
<b>IP Rating Housing</b>	IP67
<b>Operating Temperature Range</b>	-40 °C to +85 °C
<b>Timestamp Resolution</b>	1 $\mu$ s
<b>Weight</b>	170 g
<b>Operating Systems</b>	Windows, Linux

## Software

Documentation, Kvaser CANlib SDK and drivers can be downloaded for free at [www.kvaser.com/downloads](http://www.kvaser.com/downloads).

Kvaser CANlib SDK is a free resource that includes everything you need to develop software for the Kvaser CAN interfaces. Includes full documentation and many program samples, written in C, C++, C#, Delphi, Visual Basic, Python and t programming language.

Kvaser CAN hardware is built around the same common software API. Applications developed using one device type will run without modification on other device types