

# Analog/CAN Converter

Type KCD17493

## 8-Channel analog to CAN Converter

Extremely compact CAN bus measurement module with 8 bipolar voltage inputs, completely electrically isolated.

- Bipolar sensor excitation, independently adjustable
- Digital 6<sup>th</sup> order Butterworth filter
- Unrivaled low power consumption
- Robust aluminum housing: IP67, IP50 (BNC Version)
- Good price-performance ratio

### Description

The Analog/CAN converter has 8 bipolar voltage inputs. The sensor supply is also bipolar and can be adjusted separately per channel. This module is particularly suitable for multi channel applications, where available space capacity does not require extremely small devices, e.g. in the trunk or at test stands.

Measurements at test stands, even at totally unprotected places close to electric generators show no interferences. By default the Analog/CAN converter is equipped with 6 pin LEMO 0B connectors for signal inputs and sensor excitation.

### Application

For use with the CDS logger or CDS-GPS logger to acquire analog measurement parameters.



### Technical Data

#### Performance Specifications

Measuring ranges	V	$\pm 0,1/\pm 0,5/\pm 10/\pm 20/\pm 60$
Internal resolution	Bit	16
Internal sampling rate <sup>1)</sup>	Hz	2 000
Measuring data rates <sup>1)</sup>	Hz	1, 2, 5, 10, 50, 100, 500, 1 000, 2 000
Input protection	V	$\pm 100$ permanent, additional ESD protection
SW input filter	Hz	Butterworth, 6 <sup>th</sup> order 0,1 ... 500
HW input filter	Hz	low-pass, 3 <sup>rd</sup> order 500

#### Interfaces

CAN		
active		2.0B
high-speed (ISO 11898)	Bit/s	25 kBit ... 1 MBit

#### System Specifications

Power supply (approx.)	VDC	5 ... 60
Power consumption (typ.) without sensor excitation	W	1,6
Temperature range		
Operation	°C	-40 ... 125
Storage	°C	-55 ... 150
Rel. Humidity	%	5 ... 95
Protection standard		IP67
Dimensions (WxHxD)	mm	200x40x50
Weight (approx.)	grams	500

<sup>1)</sup> per channel

### Ordering Code

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This information corresponds to the current state of knowledge. Kistler reserves the right to make technical changes. Liability for consequential damage resulting from the use of Kistler products is excluded.

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