

CDS Logger

Data Logger for Mobile Vehicle Testing

The CDS Logger is an easy-to-use, lightweight data logger for various vehicle testing applications.

- Easy connection to Kistler sensors by identical housing style
- Sampling rate of up to 1 kHz
- High protection class: IP67
- Especially suited for motorcycle applications
- Power supply for external devices at the CAN connector
- Easy data transfer by exchangeable CF card, USB flash drive or LAN/USB connection

Description

The ultra-compact CDS Logger is a data acquisition and evaluation system based on the proven DAS-3 system. It is optimized for motorcycle and various other vehicle testing applications.

The CDS-Logger system consists of a base data acquisition module, and a control and display unit. The base module includes LAN/Ethernet, CAN, USB, and connections for additional displays (e.g. LED Display). This new design enables simple, cost-effective expansion of the unit's functionality. Optional extension modules can be easily connected to the base module.

Operation, parameterization and online data display are achieved via the proven DAS control/display unit. System parameters also can be set up using a connected PC running included CeCalWin Pro software. Used with TurboLab Analysis software, it is a powerful and easy-to-use tool for professional data acquisition and evaluation.

Application

The compatible design and high protection class of IP67 make this data logger especially suited for motorcycle and vehicle dynamics testing applications like:

- Braking distance measurement
- Acceleration measurement
- Coast-down test
- Fuel consumption measurement
- Determination of v_{max}



Technical Data

Interfaces

Internaces			
CAN (2 independent lines) ¹⁾			2.0B
Baud rate	from	KBd	5
	to	MBd	1
USB (Full Speed)			2.0
RS-232C			yes
Ethernet/LAN			yes
Display interface (CAN) for			
connecting display units			yes
Light Barrier / Brake switch			yes
Port for additional modules			yes
			,

Storage

Compact Flash memory card, max. GB	8
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System Specifications

Ηz	1
	10 26
2	-20 50
2	-20 70
	IP67
	IP50

¹⁾ the CAN connectors can power external devices. The power lines of the Power Input are directly connected to the CAN connectors. A resettable fuse allows a maximum current of 1,5 A

²⁾ with reverse polarity protection and control LED approx. 800 mA for complete system, without connected sensors

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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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Type CLOGMA

measure. analyze. innovate.

Type/Art. No.

KCD16920

KCD10090

KCD10398 KCD16943

KCD16944

KCD16946

KCD16993

KCD13947

Technical Data (Continuation)

System Specifications (continued from page 1)

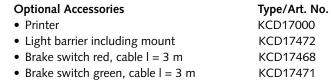
Dimensions (LxWxH - without cable)		
Logger, approx.	mm	195x126x95
Display, approx.	mm	190x115x35
Printer (optional), approx.	mm	175x126x70
Weight		
Logger, approx.	grams	1 200
Display, approx.	grams	450
Printer (optional), approx.	grams	800

Included Accessories • CDS logger

- DAS display/control unit
- Power cable 4 pin banana, I = 2 m
- Signal cable display/control unit, I = 2 m
- Connection cable CAN, I = 2 m
- Connection cable CAN, I = 0,4 m
- Connection cable CAN, I = 2 m open end
- Connection cable USB, I = 2 m
- Compact flash card KCD17102 • Multi card reader KCD15414 • Suction holder ø90 mm with ball joint KCD16908 • Hexagon spacer bolt M6x7 KCD11666 Multimedia CD KCD11343



Fig. 1: CDS Logger with control/display unit and printer



Ordering Code

CDS Logger

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