

# CDS Logger

Type CLOGMA

## 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

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

#### Storage

Compact Flash memory card, max.	GB	8
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#### System Specifications

Sampling rate, up to	kHz	1
Power supply <sup>2)</sup>	V	10 ... 26
Temperature range		
Operation	°C	-20 ... 50
Storage	°C	-20 ... 70
Protection standard		
Logger		IP67
Printer (optional)		IP50

<sup>1)</sup> 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

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

CLOGMA\_000-886e-01.12

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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Tel. +41 52 224 11 11, Fax +41 52 224 14 14, info@kistler.com, www.kistler.com  
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**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, l = 2 m
- Signal cable display/control unit, l = 2 m
- Connection cable CAN, l = 2 m
- Connection cable CAN, l = 0,4 m
- Connection cable CAN, l = 2 m open end
- Connection cable USB, l = 2 m
- Compact flash card
- Multi card reader
- Suction holder ø90 mm with ball joint
- Hexagon spacer bolt M6x7
- Multimedia CD

**Type/Art. No.**

- KCD16920
- KCD10090
- KCD10398
- KCD16943
- KCD16944
- KCD16946
- KCD16993
- KCD13947
- KCD17102
- KCD15414
- KCD16908
- KCD11666
- KCD11343



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

**Optional Accessories**

- Printer
- Light barrier including mount
- Brake switch red, cable l = 3 m
- Brake switch green, cable l = 3 m

**Type/Art. No.**

- KCD17000
- KCD17472
- KCD17468
- KCD17471

**Ordering Code**

- CDS Logger

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