

Data Logger C 60

www.bosch-motorsport.com



- ▶ Compact and light weight data logger
- ▶ Aluminum housing
- ▶ Recording on USB flash drive (opt.)
- ▶ Two motorsports connectors

The data logger C 60 is a compact and light weight data logging system for motorsport applications. This allows for synchronized acquisition of engine data from the ECU and chassis data from up to 26 analog and 4 digital input channels. Additional input devices can be connected via Ethernet and CAN buses. Recorded data from the internal 2 GB flash memory can be downloaded via high speed Ethernet or via wireless connection with the BT 60 burst telemetry system.

As a base system the C 60 is sold as data logger only. The software upgrades for the C 60 (field upgradable by entering a key) activate additional recording on USB Flash drive, CCP-Master and additional input channels.

Application

Converters	8 kHz AD converters with digital low pass filter
Configurable math channels	
User configurable CAN in/out messages	
Acquisition rate	Max. 1,000 Hz for all channels
Online data compression	
Data acquisition rate	Max. 200 kB/s
Recording channels	Max. 720

Upload rate	1,000 kB/s
Internal storage capacity	2 GB
3-port network switch	
BT 60 WLAN burst telemetry support	
FM 40 long range telemetry support, GSM telemetry support	
RS232 GPS input	
CCP-Master, data acquisition from ECU that support CAN calibration protocol	

Technical Specifications

Mechanical Data

Size	105 x 34.5 x 137.5 mm
Weight	495 g
Operating temperature	-20 to 65°C
Max. vibration	Vibration profile 1 (see Appendix or www.bosch-motorsport.com)

Electrical Data

Supply voltage	8 to 18 V
Max. power consumption (w/o loads)	10 W at 14 V

Inputs

Analog channels	6
Input range	0 to 5 V
Resolution	12 bit
Switchable pull up resistor	3 k Ω

Outputs

PWM outputs (low side switch 2 A each)	4
Sensor supply 5 V (350 mA each)	1

Environment

USB Flash drive and connector are available on request

Software Upgrade 1

GPS input	
Additional analog channels	20
Rotational channels (input Hall/ inductive)	4
Additional sensor supply 5 V (350 mA each)	3
Sensor supply 10 V (350 mA each)	1
Sensor supply 12 V (1 A, non regulated)	1
RS232	GPS
	F 02U V00 703-01

Software Upgrade 2

CCP-Master (ASAP 2 file from ECU manufacturer required)	F 02U V00 797-01
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Software Upgrade 3

USB-Port unlocked (Rugged USB flash drive 2 GB Bosch File System (BFS) format included, works with Bosch File System (BFS) preformatted USB Flash drive only)	F 02U V00 872-02
Adapter cable to USB-Port included	F 02U V01 343-01
Adapter for wiring harness included	F 02U 002 996-01

Connectors and wires

Auto sport connectors double density	2 x 41 pins
Mating connector I AS-DD 6-12-41SN	F 02U 002 216-01
Mating connector II AS-DD 6-12-41SA	F 02U 004 180-01

Installation Notes

Internal battery for data preservation included.

Required service interval 12 months (internal battery is replaced).

Communication

Configuration via RaceCon over Ethernet or MSA-Box II

CAN interfaces	2
Ethernet 100BaseT	3
RS232	Telemetry
Lap trigger input	1

Ordering Information**Data Logger C 60**

Order number **F 02U V00 875-02**

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