

Data Logger C Sport

The data logger C Sport is a very compact and lightweight data logger. It offers analog and digital signals. The measured data is stored on an internal 512 MB memory. Engine data of the ECU can be received via CAN interface.

Acquisition and calibration software RaceLab Sport is inclusive.



Mechanical Data	
Size	102 x 62 x 27 mm
Weight	210 g
Aluminium housing	
Flexible housing fixation points	
Temperature range	-20 ... 65 °C
Max. vibration	<i>Vibration Profile 1 (see Appendix)</i>
Software	
Data acquisition and calibration with RaceLab Sport via Ethernet	

Electrical Data	
Max. power consumption	4 W at 14 V
Required power supply	7.5 ... 35 V
1 CAN Bus link (ECU)	
1 CAN Bus link (to cascade C Sport or attach DDU Sport)	
1 Ethernet connector (for PC connection)	
512 MB internal memory	
Real time clock	
4 digital inputs	
4 analog single ended inputs 16 bit resolution	
4 analog differential inputs 16 bit resolution	
1 digital output	

Compatible ECUs
MS 3 Sport, MS 4 Sport, MS 4 Sport Turbo, MS 4.4, MS 4.4 Sport, MS 4.4 Sport Turbo



Connectors

Mating connector straight, Binder Series 712
4 x 99 0425 00 08 4 x F 02U 002 202-01

Mating connector angled, Binder Series 712
4 x 99 0425 70 08 4 x F 02U 001 514-01

Connector 1 (bottom right)

Pin 1 Input, terminal 15

Pin 2 Input, terminal 30

Pin 3 Output

Pin 4 Output, TX+ LAN

Pin 5 Output, TX- LAN

Pin 6 Input, RX+ LAN

Pin 7 Input, RX- LAN

Pin 8 Input/Output, GND

Connector 2 (top right)

Pin 1 Input/output, CANB-LOW

Pin 2 Input/output, CANB-HIGH

Pin 3 Input, digital 1

Pin 4 Input, digital 2

Pin 5 Input, digital 3

Pin 6 Input, digital 4

Pin 7 Output, Us

Pin 8 Input/output, GND

Connector 3 (top left)

Pin 1 Input, analog 6+

Pin 2 Input, analog GND 5/6

Pin 3 Input, analog 7+

Pin 4 Input, analog 8+

Pin 5 Input, analog GND 7/8

Pin 6 Input, CANA-LOW

Pin 7 Input, CANA-HIGH

Pin 8 Input, analog 5+

Connector 4 (bottom left)

Pin 1 Diff. input, analog 1-

Pin 2 Diff. input, analog 2+

Pin 3 Diff. input, analog 2-

Pin 4 Diff. input, analog 3+

Pin 5 Diff. input, analog 3-

Pin 6 Diff. input, analog 4+

Pin 7 Diff. input, analog 4-

Pin 8 Diff. input, analog 1+

Part Number

C Sport (without mating connectors)
F 01T A20 061-01

C Sport (with mating connectors straight)
F 01T A20 061-02

C Sport (with mating connectors angled)
F 02U V00 427-01