

CardMemory C 40 / C 40 Plus

The CardMemory is a device used for data logging. The basic model C 40 is designed for data transfer via CAN for Bosch Motorsport ECUs. The extended model C 40 Plus is developed to read in additional 15 analog signals and 1 rev signal. The measured data are stored on a compact flash card (not included).



Mechanical Data	
Aluminium housing	
Flexible housing fixation points	
Size	150 x 90 x 22 mm
Weight	330 g
ECU temperature	-40 ... 75 °C
Max. vibration	15 g sinus at 20 Hz ... 2 kHz for t < 5 h

Electrical Data	
Max. power consumption	7 W at 14 V
1 microcontroller with 16 bit organisation	
1 CAN interface	
Real time clock	
Non volatile flash card memory	
Total calculation capacity approximately	10 MIPS

Options	
15 analog inputs with 10 bit resolution and 5 ms sample rate time (only C 40 Plus)	
1 inductive crankshaft sensor interface	
Sensor supply outputs	5 V/100 mA 10 V/100 mA
Calibration functions are realised with an additional software tool.	

Accessories	
Flash card 128 MB	F 01E B01 105-01
Flash card 256 MB	F 01E B01 106-01
Flash card 512 MB	F 01E B01 107-01
Flash card 1,024 MB	F 01E B01 108-01
Memory adapter (red; incl.)	B 261 206 864-01
C 40 adapter cable	B 261 209 433

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 C 40	AS0-14-35 SN
Mating connector C 40 Plus	AS0-14-35 SN

Application Hints	
Internal battery for data preservation included.	
Required service interval 12 months (internal battery is replaced).	

Part Numbers	
All C 40 incl. memory adapter (red)	
C 40	F 01T A20 403-01
C 40 Plus	B 261 206 860
C 40 Plus incl. SW Chassis Adjust	B 261 206 880-02
Upgrade C 40 to C 40 Plus	on request
Software Chassis Adjust	on request