

CardMemory

The CardMemory is a device used for data acquisition. The basic model C5 is designed with a 5 pin connector. The extended model C40 Plus is developed to read in 15 analogous signals and 1 rev signal. The measured data are stored on a compact flash card.



Mechanical data

Dust and splash water proof aluminium housing	
Flexible housing fixation points	
Connector	with 5 or 40 pins
Size	150 (143) x 90 x 22 mm
Weight	330 g

Conditions for use

Ambient temperature range	-40 ... 75°C
Max. power consumption	7 W at 14 V
Max. vibration	15 g sinus at 20 Hz ... 2 kHz for t < 5 h

Electrical data

1 microcontroller with 16 bit organization	
1 CAN interface	
Real time clock	
Non volatile flash card memory	
Total calculation capacity approximately 10 MIPS	

Options

15 analogous inputs with 10 bit resolution and 5 ms sample rate time	
1 inductive crankshaft sensor interface	
Sensor supply outputs	5 V/100 mA 10 V/100 mA

Calibration functions are realized with an additional software tool

Connector

Cable harness connector C5	AS6-06-05SN HE
Cable harness connector C40 Plus	AS0-14-35 SN

Order numbers

C5	B 261 206 858
C40 Plus	B 261 206 860
Upgrade C5 to C40 Plus	B 261 206 869
Software chassis adjust	B 261 206 870