

ABS M4 Kit

The ABS M4 kit is developed for the operation in front or rear drive vehicles. A vehicle specific wire harness is included in the kit. The ABS M4 is specifically adapted for motorsports use. Individual car parameters can be calibrated with the included software.



Mechanical Data	
Hydraulic unit with attached ECU	
Dust and splash proof production housing	
Vibration damped circuit board	
38 pin connector	
2 hydraulic valves per wheel	
2 brake circuits (front and rear)	
2 hydraulic high pressure pumps	
2 hydraulic accumulators 3 ccm/each	
Standard fittings	2 x master cylinders M12x1 4 x brake cylinders M10x1
Size	125 x 80.3 x 129.6 mm
Weight	1,850 g
Operating temperature	-30 ... +130 °C
Max. shock	50 g less than 6 ms

Content of Kit	
Hydraulic unit with attached ECU	
Pressure sensor	
Yaw/acceleration sensor	
12 position function switch	
4 wheel speed sensors DF11 standard	
ABS warning light	
Programming and diagnostic software	
Vehicle specific wire harness	
Vibrations dampening boards	

Electrical Data	
Power Supply and Consumption	
Supply voltage	8 ... 16 V, max. 26 V for 5 min
Max. peak voltage	35 V for 200 ms
Power consumption	8 W stand-by, 230 W in operation
Inputs	
4 active wheel speed DF11	
Brake pressure (front brake circuit)	
Longitudinal acceleration	
Lateral acceleration	
Yaw rate	
12 position function switch	
10 switch positions are preconfigured for different setups	
2 switch positions programmable	
Brake light switch	
Outputs	
ABS warning light (MIL)	
Control of internal ABS valves	
Control of pump motor	
Communication	
CAN interface	

Optional Accessories

Data logger C Sport	F 01T A20 061-01
Display DDU Sport	F 01T A20 050-01
Communication interface MSA Box II	F 02U V00 327-01
Single wheelspeed signal splitter without connectors	F 02U V00 225-01
Single wheelspeed signal splitter with motorsport connectors	F 02U V00 209-01
Wheelspeed signal splitter with 2 motorsport connectors	F 02U V00 203-02
Wheelspeed signal splitter with 1 motorsport connector	F 02U V00 335-02
Adapter wire harness for connection of data logger C Sport	F 02U V00 309-01
Yaw rate sensor YRS 3	0 265 005 838

Part Numbers

ABS M4-Kit 1 (wire harness and wheel speed sensors with production-type connectors)	F 02U V00 289-01
ABS M4-Kit 2 (wire harness and wheel speed sensors with motorsport connectors)	F 02U V00 290-01
Different variations of DF11 sensors for vehicle individual applications on request.	

