

ECU MS 15 Sport

The MS 15 Sport is an ECU for Diesel engines with up to 6 cylinders. It is developed for use in combination with Bosch solenoid injectors. The MS 15 Sport software is provided with an optimized function range. The MS 15 Sport is able to operate in a 12 V or 24 V system.



Application	
Engine layout	up to 6 cyl.
Injector types	solenoid valve injectors
Control strategy	quantity based
Injection timing	1 main injection
Turbo boost control	single Turbo
Lambda measurement	-
Traction control	-
Speed limiter	✓
Gear cut for sequential gearbox	✓

Mechanical Data	
Dust and waterproof aluminium housing	
2 connectors with 60 and 94 pins	
6 housing fixation points	
Maximum dimensions	
without connectors	203 x 140 x 38 mm
with connectors	203 x 167 x 38 mm
Weight	approx. 725 g
ECU internal temperature range	-20 ... 75 °C

Connectors	
Connector K (vehicle: 94 pin)	D 261 205 353-01
Connector A (engine: 60 pin)	D 261 205 354-01

Included Features	
Complete SW documentation	
Calibration guide	
Incl. workbase and configuration of Modas Sport	
Preconfigured CAN-messages for DDU Sport	
Incl. configuration and evaluation tool Race Lab Sport with preconfigured settings	

Optional Functionality	
Pilot injection SW upgrade	F 02U V00 776-01
Pressure control valve PCV SW upgrade	F 02U V00 777-01

Electrical Data	
Power consumption w/o inj.	approx. 5 W
Power consumption @ full load	approx. 120 W
Inputs	
1 input for inductive crankshaft sensor	
1 input for Hall-effect camshaft sensor	
2 inputs for redundant pedal position sensor	
6 analog inputs 0 ... 5 V:	
fuel: low system and rail pressure	
boost pressure	
oil pressure	
exhaust gas: pressure and temperature	
5 NTC temperature inputs:	
intake and boost air temperature	
fuel, coolant and oil temperature	
1 input for Hall vehicle speed sensor	
3 digital inputs:	
lap beacon, pit speed limiter and fuel reset	
1 internal ambient pressure sensor	
1 internal ECU temperature sensor	
Outputs	
6 injection power stages for solenoid injectors	
9 power stages	
main, fuel pump, glow plug and 2 fan relays	
fuel metering unit of high pressure pump	
turbo actuator (PWM 5.0 Amps)	
engine speed signal for tachometer	
diagnostic lamp	
Communication interfaces	
2 CAN interfaces	display / logger calibration software
1 K-Line	software download

Part Number	
MS 15 Sport	F 02U V00 350-01