



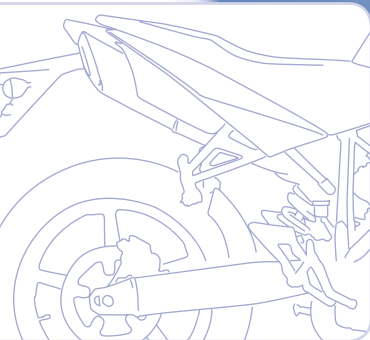
The measure  
of things:  
Fast, univer-  
sal and  
modular!

## AVL DISPEED 492

UNIVERSAL SPEED MEASUREMENT  
FOR PETROL AND DIESEL ENGINES  
PASSENGER VEHICLES | TRUCKS | MOTORBIKES

FUTURE SOLUTIONS FOR TODAY

**AVL**  
DITEST



# AVL DISPEED 492

## UNIVERSAL SPEED MEASUREMENT DEVICE FOR PASSENGER VEHICLES AND TRUCKS

Order number: VM-492-BASE-TYP-INT-01

AVL DiSpeed 492 provides the easiest, fastest and most universal solution for engine speed measurement. This is also the reason why the device has known such success in the market.

**The easiest:** The combined sensor is easily attached to the vehicle with a magnet foot.

**The fastest:** Disassembly, calibration and painstaking settings are no longer required.

**The most universal:** AVL DiSpeed 492 can be used on passenger vehicles, trucks and motor-bikes no matter how many cylinders they have.

## Universal for passenger vehicles and trucks.

AVL DiSpeed is the easiest, fastest and most universal solution for engine and speed measurement of petrol and diesel engines – for static measurement as well as dynamic. The combined sensor for speed pick-up (measuring the vibrations and sound of the engine) is attached to the engine or its proximity with a magnet foot. The structure-borne sound analyses (engine vibrations) and air-borne sound analyses (engine noise) are used for engine speed detection. Thanks to the development of a unique analysis software the highly dynamic and accurate analysis of engine speed became possible.

- Speed measurement for stationary and dynamic speed measurement
- For petrol and diesel engines (best coverage)
- Setting of cylinder numbers not required
- Easy mounting thanks to integrated permanent magnet
- Automatic self-calibration and function monitoring
- Unique direct signal pick-up
- Can be connected to all exhaust gas testers
- Future-proof as the device operates independently from any electric engine signals



**AVL DiSpeed 492.  
Unique speed  
measurement with  
the best coverage**



AVL DiTEST combined sensor

# AVL DISPEED 492 + BIKE

UNIVERSAL SPEED MEASUREMENT DEVICE  
FOR PASSENGER VEHICLES, TRUCKS AND BIKES

Order number: VM-492-BASE-TYP-INT-02



Dipswitch 492



**Universal for passenger vehicles, trucks and motorbikes.**

## The expandable base module AVL DiSpeed 492 + Bike:

AVL DiSpeed 492 + Bike does not only provide all functions of AVL DiSpeed 492 but, in combination with the Dipswitch 492, it also enables the engine speed measurement on motorbikes. Thanks to the AVL DiTEST combined sensor the engine speed of motorbikes can also be picked up while it provides very easy, fast and universal handling.

## OPTIONAL ACCESSORIES FOR THE PRODUCT RANGE OF THE AVL DISPEED 492



display  
order no.: B07098



universal adapter  
order no.: EU1843



power supply  
order no.: EN0342

Complete list of accessories including connecting cables for exhaust emission test devices available upon request.



## AVL DISPEED 492

### Technical data for measurements on passenger vehicles and trucks

Engine	4-stroke diesel and petrol engine (passenger vehicles and trucks), stationary engines
Signal inputs	combined sensor (for air-borne and structure-borne sound measurement)
Signal outputs	charge signal- simulation of clamp-on transducer signal digital impulse – 5V TTL compatible inductive impulse – simulation of an ignition signal
Power supply	12 V DC, 350 mA, current supply via on-board electrical system, external power supply, AVL DiTEST emission tester, integrated power supply when connected to AVL DiTEST emission tester
Operating temperature	5-45 °C
Dimensions (w x h x d)	230 x 50 x 190 mm
Weight	< 2 kg

### Measurements passenger vehicles & trucks

	Measurement range	Resolution
Petrol engine speed	400-8,000 rpm	10 rpm
Diesel engine speed	400-8,000 rpm	10 rpm

## AVL DISPEED 492 + BIKE

### Technical data for measurements on passenger vehicles, trucks and motorbikes

Engine	2-stroke, 1-cylinder, 4-stroke engines (motorbikes)
Signal inputs	combined sensor (for air-borne and structure-borne sound measurement)
Signal outputs	charge signal- simulation of clamp-on transducer signal digital impulse – 5V TTL compatible inductive impulse – simulation of an ignition signal
Power supply	12 V DC, 350 mA, current supply via on-board electrical system, external power supply, AVL DiTEST emission tester, integrated power supply when connected to AVL DiTEST emission tester
Operating temperature	5-45 °C
Dimensions (w x h x d)	230 x 50 x 190 mm
Weight	< 2 kg

### Measurements passenger vehicles & trucks

	Measurement range	Resolution
Petrol engine speed	400-8,000 rpm	10 rpm
Diesel engine speed	400-8,000 rpm	10 rpm

### Measurements 2-stroke & 4-stroke engines (motorbikes)

	Measurement range	Resolution
Speed 2-stroke engine	900-8,000 rpm	10 rpm
Speed 4-stroke engine	600-8,000 rpm	10 rpm



## AVL and AVL DiTEST A Supreme Combination of Technical Flexibility with Future-Oriented Perspectives.

The philosophy of AVL- looking at the world of automobiles in its entirety – perfect development of vehicles while safeguarding faultless daily use. In keeping with our principle, AVL DiTEST is up to the challenge of providing workshops and testing centres with high-tech diagnostic systems on the cutting edge of technical standards. The result – optimum performance with individual service based on pioneering AVL technology. Our know-how accumulated over more than 50 years of passion for technology ensures unsurpassed precision.

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