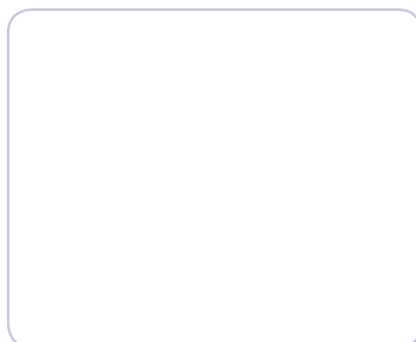
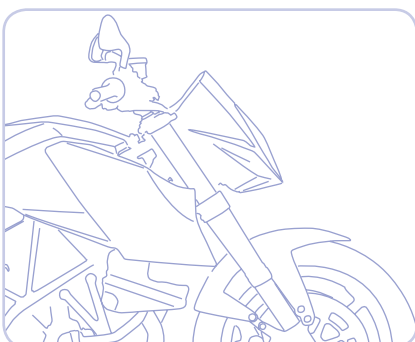
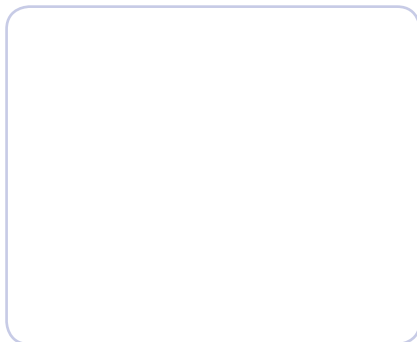


AVL DITEST
WELCOME TO THE FUTURE OF MOTORCYCLE
EMISSION ANALYSIS.
FUTURE SOLUTIONS FOR TODAY



YOUR ADVANTAGE THROUGH EXCEPTIONAL TECHNOLOGY.

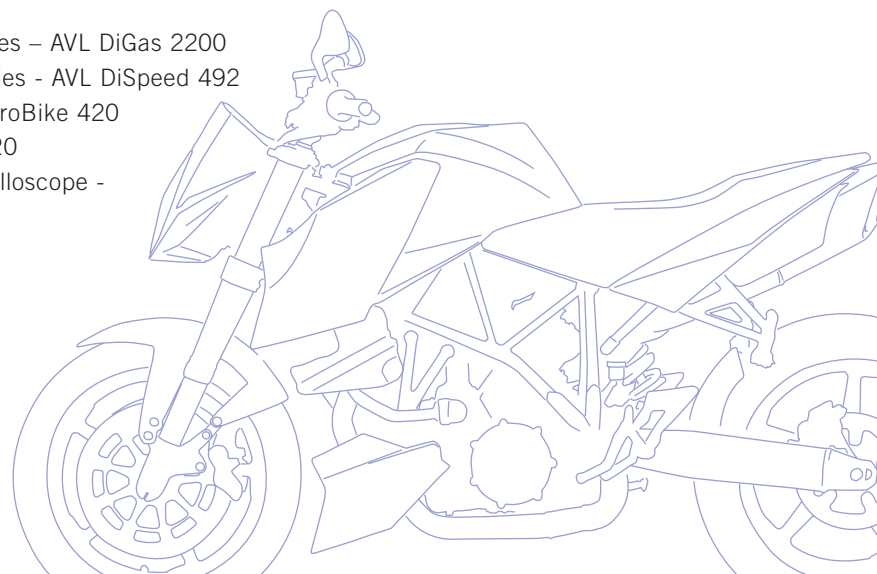
Anyone who wants to be at the forefront of exhaust test systems needs to have perfect solutions. Like the AVL DiGas 2200, the highly capable and efficient exhaust analyzer for motorcycles. Because those who know about the complexity of the technology value the perfect matching of the instrument and its accessories. That's why AVL DiGas 2200 can also be upgraded to a 4 or 5 gas module - flexible and ready for all requirements.

AVL DiTEST is an experienced partner by your side, with an expectation of fully functional performance whether for exhaust analysis or vehicle diagnostics. Driven by pure passion for engines and trouble-free running.



AVL DiTEST offers the best solutions for you and your garage:

- Future-proof exhaust analyzer for motorcycle garages – AVL DiGas 2200
- Universal engine speed measurement for motorcycles - AVL DiSpeed 492
- Exhaust gas probe adapter for motorcycles – AVL ProBike 420
- Filter system for 2-stroke engines – AVL ProBike 220
- Fault code reader with information system and oscilloscope - AVL DiScan 8000



AVL DIGAS 2200

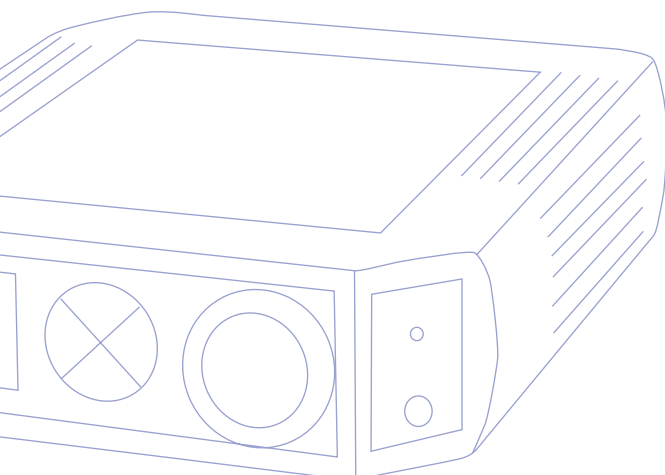
FUTURE-PROOF EXHAUST ANALYZER FOR MOTORCYCLE GARAGES

- 2, 3, 4, 5 exhaust gas analyzer (CO, HC and optionally CO₂, O₂, NO) of OIML R99 accuracy class 0 and 1 for engine speed / temperature measurement including high temperature motorcycle probe
- Upgradeable to 4 or 5 gas tester
- Low maintenance, calibration once a year
- Rapid readiness to measure and short response time
- Portable and lightweight for mobile use
- Two operating positions (even, upright)
- Operation using 12 V supply from vehicle or mains power supply unit
- PC connection via RS232 interface
- LC display

AVL DiGas 2200 2 exhaust gas analyzer with PSU
Id. No.: VS-2200-2GR-TYP-INT-01
AVL DiGas 2200 3 exhaust gas analyzer with PSU
Id. No.: VS-2200-3GR-TYP-INT-01
AVL DiGas 2200 4 exhaust gas analyzer with PSU
Id. No.: VS-2200-4GR-TYP-INT-01
AVL DiGas 2200 5 exhaust gas analyzer with PSU
Id. No.: VS-2200-5GR-TYP-DE-01



Discover perfection and know-how for precision in analysis without compromise!



Accessories*

Motorbike probe ^{2nd}

Id. No. B07215

Connecting line for power supply KR-058

Id. No. 2-366-325-02

Battery terminal (2 off) KR-059

Id. No. 2-366-326-01

Connecting lead for cigarette lighter KR-060

Id. No. 2-366-327-01

Mounting bracket

Id. No. 2-122-002-01

TS01 temperature probe 4 mm

Id. No. 2-366-268-03

Connection adapter KR-063 to connect oil temperature probe TS01 and rpm trigger clamp KR-064

Id. No. 2-366-348-01

Serial cable AVL DiGas 2200 – DIN A4 printer KR-048

Id. No. 2-366-316-01

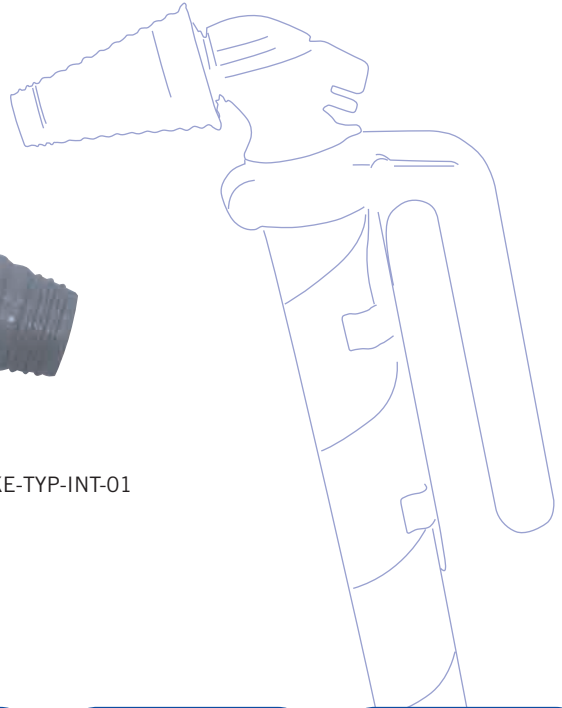
Serial cable AVL DiGas 2200 – notebook KR-049

Id. No. 2-366-333-01

*Scope of supply and complete list of accessories can be supplied on request

AVL PROBIKE 420

EXHAUST GAS PROBE ADAPTER
FOR MOTORCYCLES



ProBike 420
Id. No.: VM-420-PROBIKE-TYP-INT-01

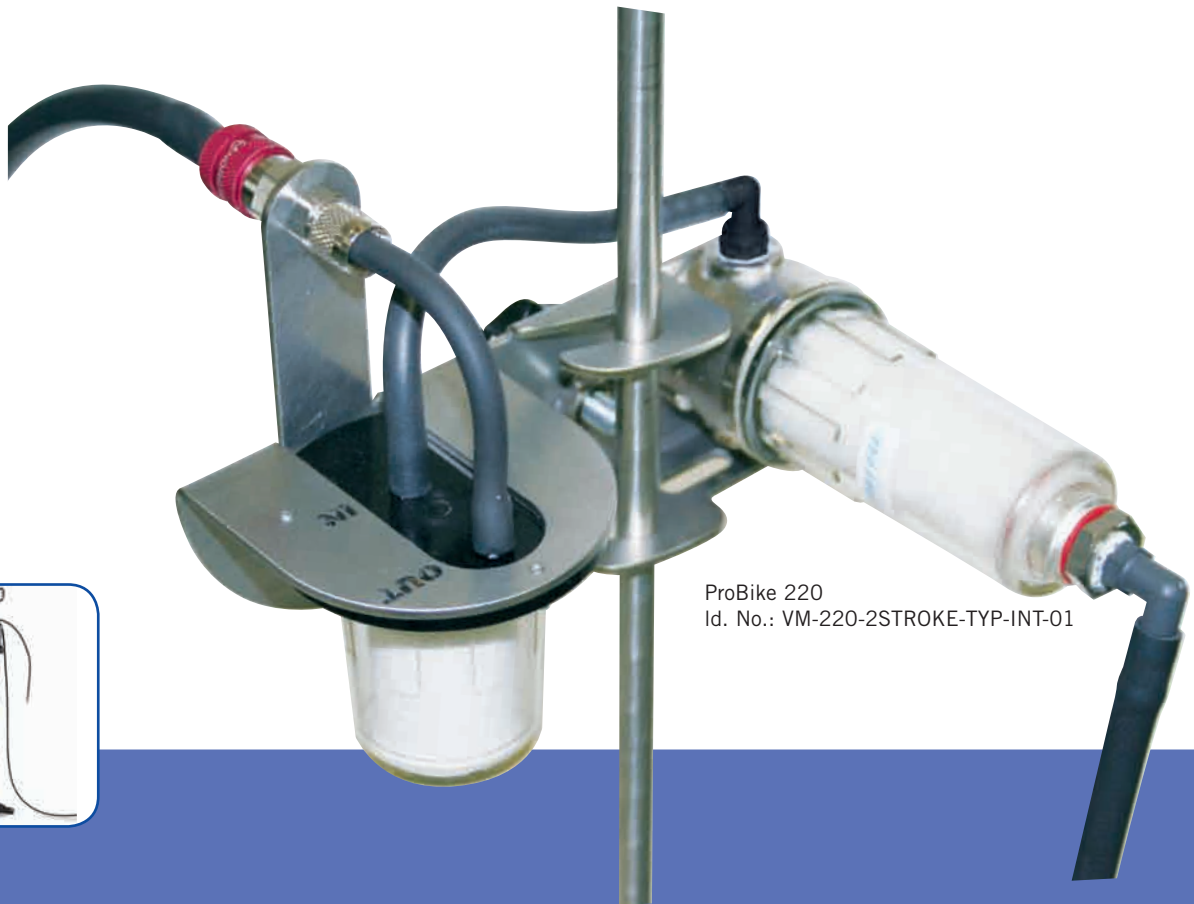


AVL DiTEST – a good choice.
Experience universality with the most
up-to-date instruments and accessories!

- Patented AVL DiTEST exhaust gas probe adapter for exhaust and diagnostic measurements on 2 and 4 stroke motorcycles, trikes and quads on which the exhaust probe cannot be introduced more than 30 cm into the tailpipe.
- Unique, universal exhaust gas probe adapter function by means of multi-functional cone – covers more than 85% of cases
- Exhaust gas sampling guaranteed free of dilution and back-pressure
- Comfortable handle for fixing to stand or for one-man operation
- Materials compatible with concentrated exhaust gas and associated temperature
- EURO 3 optimized (necessary for production motorcycles with Lambda = 1 control)
- Application also possible using third party exhaust probes
- For use with AVL ProBike 420 holder

AVL PROBIKE 220

THE FILTER SYSTEM FOR
2-STROKE ENGINES



ProBike 220
Id. No.: VM-220-2STROKE-TYP-INT-01



A new chapter in motorcycle emission analysis – for yet more reliability.

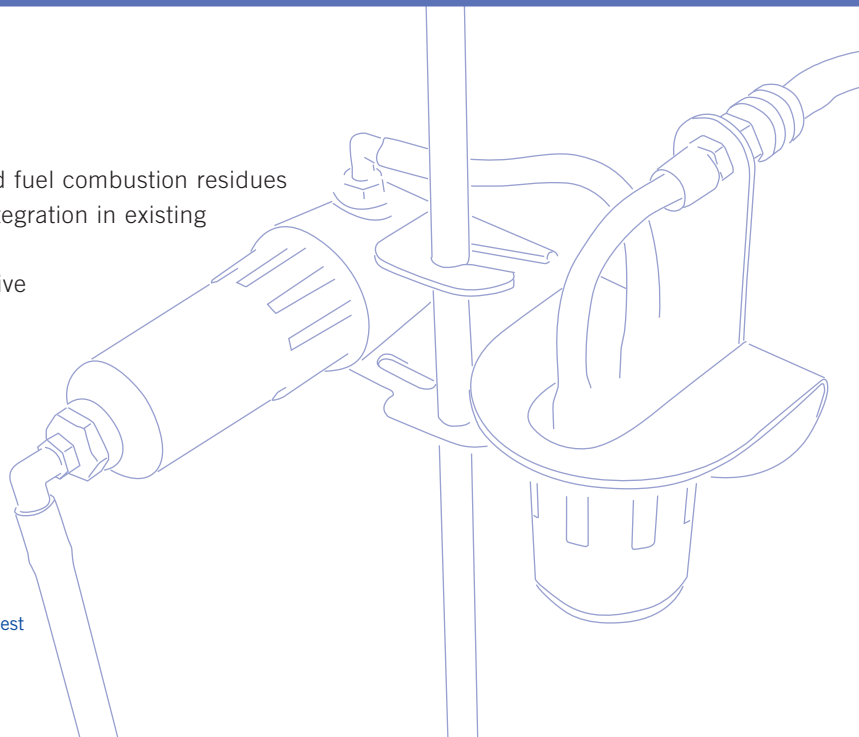
- 2-stroke filter system for reliable separation of oil and fuel combustion residues
- Including quickly-detachable couplings for simple integration in existing exhaust probes (also for third party systems)
- Maintenance and cleaning very simple and inexpensive
- Plug and play assembly on AVL ProBike 420 holder

Accessories*:

AVL ProBike 420 holder to take all ProBike system components

Id. No.: VM-420-STAND-TYP-INT-01

*Scope of supply and complete list of accessories can be supplied on request



AVL DISPEED 492

UNIVERSAL SPEED MEASUREMENT FOR 2-STROKE AND 4-STROKE ENGINES

- No need to input signal level or number of cylinders
- Easy mounting with integrated permanent magnets
- Future-proof through independence of all electrical engine systems
- Can be connected to any emission analyzer
- For static and dynamic speed measurement
- Automatic self-calibration and functional monitoring

Accessories*:

Cable 490/492 signal for AVL DiGas 2200/400

Id.Nr. BV7139

Cable 490/492 power supply via AVL DiGas 2200/440

Id. Nr. BV7140

Display AVL DiSpeed 490/492

Id.Nr. B07098

Cable 490/492 for AVL Series 4000 emission analyzer

Id.Nr. BV2111

Cable 490/492 for AVL/Pierburg DO 285 emission analyzer

Id.Nr. GE7043

Cable 490/492 for Bosch emission analyzer

Id.Nr. BV7036

Cable 490/492 for MAHA emission analyzer

Id.Nr. BV7013

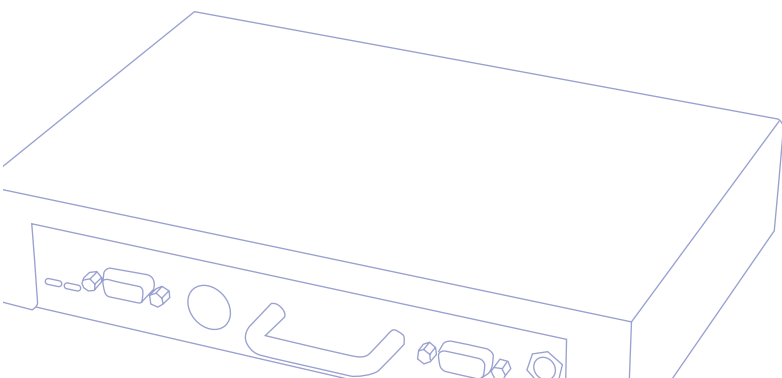
Cable 490/492 for Motorscan 315

Id.Nr. BV2152

Cable extension for combined sensor (5m)

Id.Nr. BV2113

*Scope of supply and complete list of accessories can be supplied on request



Meeting the highest demands
in rpm measurement.



AVL DiSpeed 492
Id.Nr.: VS-492-UNI-TYP-INT-01

AVL DISCAN 8000

FAULT CODE READER WITH INFORMATION SYSTEM AND OSCILLOSCOPE

Adapter cable for motorcycles

for vehicle-specific diagnosis of motorcycles from Actros to Yamaha

Adapter cable for passenger cars

for vehicle-specific diagnosis of passenger cars from Alfa Romeo to Volkswagen

Adapter Cable for lorries and trucks

for vehicle-specific diagnosis of lorries and trucks from Actros to Vivaro

EOBD/OBD2 standard adapter cable

Id. No. GE7027

VGA cable

for connecting to an external VGA screen, Id. No. GE7038

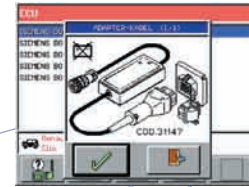
PC connector cable

for software updates by means of a PC and RS232 interface, Id. No. GE7037

Cable set for oscilloscope

including accessories Id. No. GE7034

Scope of supply and complete list of accessories can be supplied on request



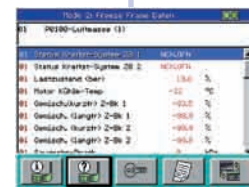
Comprehensive information from required on-board 12 V voltage to adapter cable use



Display of fault codes and fault status (current, occasional, deleted) as well as further help text



Live data and parameters are visualised - graphically and numerically

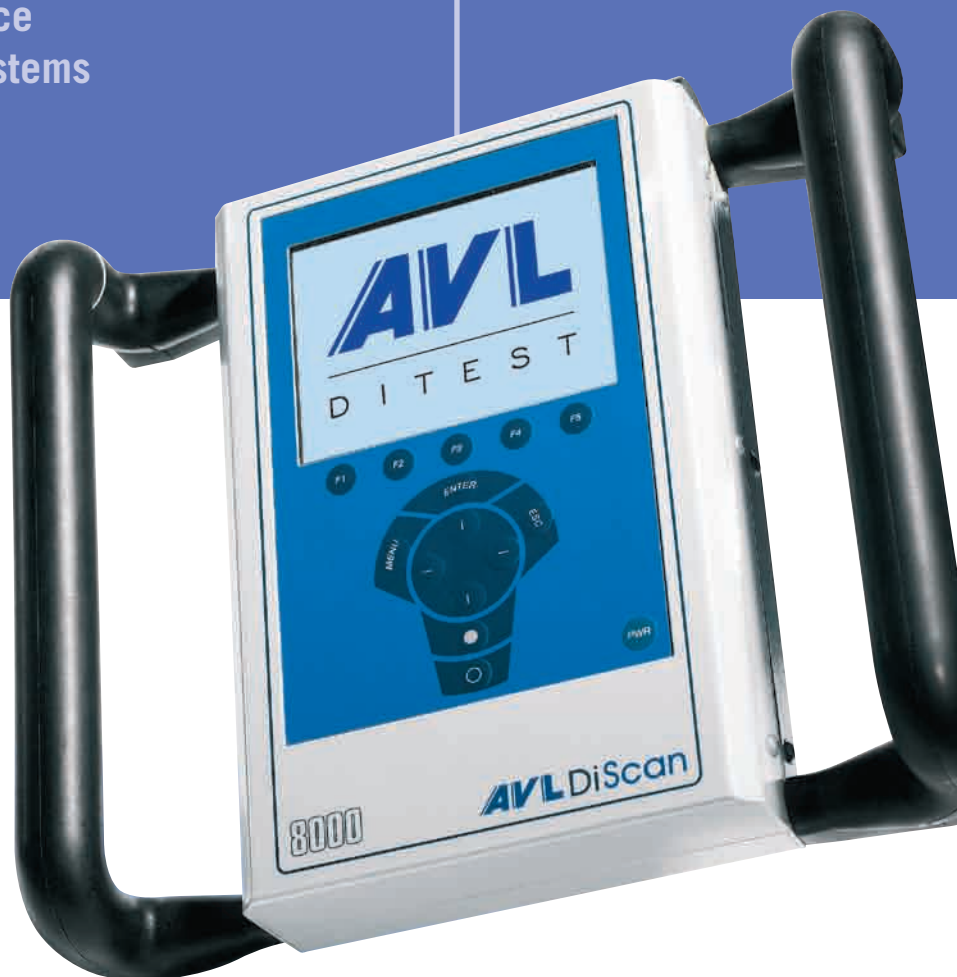


A clear look at the whole system as a combination of vehicle information and error detection

Come on board and experience state of the art diagnostic systems ready for any challenge. Check them out!

- Diagnosis software available as yearly subscription or as unlimited version for cars/motorcycles*
- Support for serial and blink code diagnosis
- Display of fault codes and fault status
- Live data and parameters
- Menu-controlled user guide
- Color display
- Optional functions oscilloscope and multimeter
- Different cable sets

*Covers: Ducati, Piaggio, Suzuki, Kawasaki, Cagiva, Moto, Guzzi, Triumph, Honda, Agusta, Aprilia, Yamaha, BMW brands



AVL DIGAS 2200

Technical data:

Display	LC Display
Interfaces	RS 232
Operating temperature	5 ... 45 °C
Power supply	100 ... 240 V AC, 50-60 Hz 11 ... 22 V DC (optional)
Power requirement	max. 20 VA
Dimensions (W x H x D)	270 x 85 x 340 mm
Weight	4,2 kp

Measured values:

	Measurement range	Resolution
CO	0 ... 10 % Vol.	0,01 % Vol.
HC	0 ... 20.000 ppm	10 ppm (0 - 2.000 ppm) 10 ppm (> 2.000 ppm)
CO ₂	0 ... 20 % Vol.	0,1 % Vol.
O ₂	0 ... 22 % Vol.	0,01 % Vol.
NO	0 ... 5.000 ppm	1 ppm
Lambda	0 ... 9.999 calculated	0,001
Rotation speed	400 ... 20.000 min ⁻¹	1 min ⁻¹
Engine temperature	-30 ... 125 °C	

AVL DISPEED 492

Technical data:

Engine	2-/4-stroke diesel or gasoline engine
Signal inputs	Combination AVL sensor for vibration and noise
Signal outputs	Charge signal – simulating a clamp-on transducer Digital impulse – 5V TTL compatible Inductive impulse – simulating an ignition signal
Power supply	10-28 V DC, 350 mA, supplied from vehicle, external power supply unit, AVL emission tester
Operating temperature	5 ... 45 °C
Dimensions (W x H x D)	230 x 50 x 190 mm
Weight	< 2 kp

Measured values:

	Measurement range	Resolution
Gasoline engine speed	400 ... 10.000 min ⁻¹	10 min ⁻¹
Petrol engine speed	400 ... 10.000 min ⁻¹	10 min ⁻¹

AVL DISCAN 8000

Scantool technical data:

Display	VGA color display
Accumulator	1250 mAh 7.2 V, up to 45 min without external power supply
Power Consumption	15 VA
Interfaces	USB; RS232; AVL Compact Flash, AVL Smart Card, diagnostic connection, oscilloscope and multimeter, VGA
Protocol	ISO 9141-2, KWP2000, SAE J1850, CAN and vehicle-specific protocols*

*Current vehicle coverage can be downloaded from www.avlditest.com.

Oscilloscope technical data:

Number of channels	1
Display options	Ignition low tension, vehicle sensors and actuators
Timebasis	50 µs - 5 s
Frequency range / bandwidth	20 kHz +/- 3 dB
Input resistance/capacity	20 MΩ / 200 pF
Scan rate	100 kHz
Trigger	Manual
Voltage Trigger measurement	0 - 500 V
Power measurement range (power analyser)	0 - 450 A
Operating temperature	5°C - 45°C
Standards	CE, ISO 15031-4 (scan tools)
Dimensions	340 x 280 x 90 mm
Weight	~ 3 kg