



GERMANY
Autotestgeräte
LEITENBERGER

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AUTOTESTGERÄTE **LEITENBERGER GMBH**



THINK BIG

We look forward
to your request:



 **PREMIUM-Products**
Made in Germany

HPKD 20_LR

041945_1



Hydraulic Measurement Kit, digital

Quick and safe diagnosis of all hydraulic systems is possible with the hydraulic measurement kit HPKD 20_LR

- 2 digital pressure gauges
- Measurement range 0 ... 400 bar + 0 ... 600 bar
- On request, we can also create your individual case arrangement together with you

Scope of delivery

- 1 pressure gauge DM 80, 0 ... 400 bar
- 1 pressure gauge DM 80, 0 ... 600 bar
- 2 rubber caps orange, red
- 2 measuring hoses (2 m long)
- 1 pressure gauge direct connection G 1/2"
- 1 pressure gauge connection G 1/2"
- 1 test connection G 1/4"
- 1 test connection M10x1
- 1 reduction nozzle G 3/8" to M10x1
- 1 reduction nozzle G 1/2" to M10x1
- 1 hose coupling M16x2
- Delivery in solid plastic case

All test kits are delivered in a handy case with individually adapted foam inserts.

HPK 20_LR

041944_1



Hydraulic Measurement Kit, analogue

Same function, application and Scope of delivery as HPKD 20_LR, but:

- 1 pressure gauge nominal size 63 (selectable measuring range) 0 ... 100 standard
- 1 pressure gauge nominal size 63 (selectable measuring range) 0 ... 400 standard
- 1 pressure gauge connection G 1/4"
- 1 pressure gauge direct connection G 1/4"



HD 01_SET_01

041981_1



Hydraulic diagnostic set, flow rate 7.5...75 l/min

For testing and diagnostic work in the hydraulic system

- For fast, precise and professional measurement of volume flow / flow rate, pressure and temperature
- Suitable for mobile and stationary systems
- Measurement device with 2 measurement channels, display of 3 physical quantities per measurement channel (l/min; bar; °C):
 - Flow rate (0.5% of reading): 7.5...75 l/min
 - Pressure (0.5% FS): 250 bar
 - Temperature (2% FS): 0...125 °C
- Connection thread measuring block: G 1/2"
- Incl. factory calibration certificate
- Practical housing with easy to use keyboard
- The integrated lithium ion battery guarantees a long runtime and is rechargeable
- Save and log measured values via USB interface
- Clear, illuminated, easy-to-read display to avoid parallax errors
- Save and log measured values via USB interface.

Note: Additional sensors with variable parameters are available.

Scope of delivery

- 1 measurement device
- 1 measuring turbine/measuring block
- 1 temperature sensor
- 1 flow sensor
- 1 pressure sensor
- 1 charger
- 1 USB-stick

Watch video



HD 01_Set_02

041982_1

Hydraulic diagnostic set, flow rate 15...300 l/min

Same function, application and Scope of delivery as HD 01_SET_01, but:

- Flow rate (0.5% of reading): 15...300 l/min;
- Pressure (0.5% FS): 400 bar
- Temperature (2% FS): 0...125 °C
- Connection thread measuring block: G 1 1/4"

HD 01_Set_03

041983_1

Hydraulic diagnostic set, flow rate 40...600 l/min

Same function, application and Scope of delivery as HD 01_SET_01, but:

- Flow rate (0.5% of reading): 40...600 l/min
- Pressure (0.5% FS): 400 bar
- Temperature (2% FS): 0...125 °C
- Connection thread measuring block: G 1 1/2"

MBVXX_LR

a.A



Flow control valve for volume flow controller for HD 01_Set

- For simulating a load on the hydraulic pump
- Variable regulation of the volume flow
- Ideal addition to the hydraulic diagnostic device HD 01

Name	Ref. no	Flow rate	Connection thread
MBV 02_LR	041985_1	15...300 l/min	G 1 1/4"

AEKP 08_LR

061209_2



Diagnosis, flushing, cleaning of DENOX-modules (DeNOx 2.1 and 2.2)

For quick, safe and professional testing and diagnosis of injection quantity, injection pressure, spray pattern and various visual inspections.

- Suitable for vehicles and diesel engines with the urea injection system Denoxtronic 2.1 and 2.2 (Bosch), e.g. for trucks, construction, forestry and agricultural machinery as well as industrial systems
- For cleaning and rinsing the system and components with tap water and distilled water; Testing of AdBlue®* for mineral oil contamination
- Premium product Made in Germany
- All individual parts available as spare parts

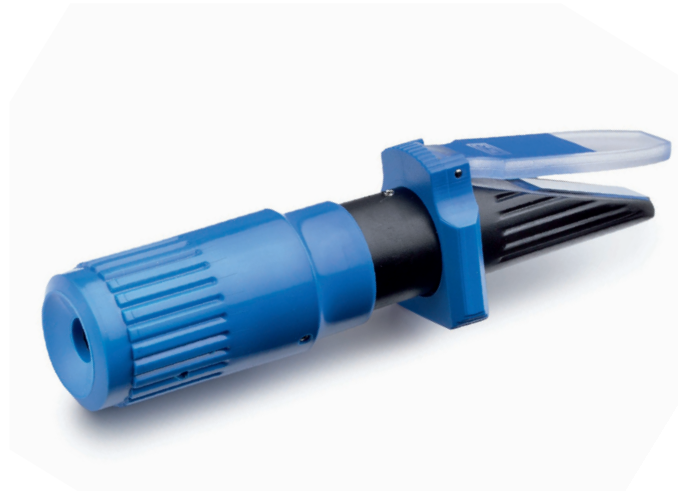
Examples of use:

- Function test of the SCR system
- Supply pressure measurement
- Spray pattern check
- Dosing quantity measurement
- Visual inspection in the line circuit
- Flushing and cleaning of the supply module and the metering valve with distilled water
- Loosening of crystal accumulations
- Line flushing with garden hose connection
- Cleaning of contaminated AdBlue®* tanks
- Oil detection in AdBlue®*
- Operation of the vehicle with AdBlue®* from a canister «tank replacement operation»



RFM 03_%_AB

110306_25



Refractometer (for testing the Urea concentration in operating additive) AdBlue®*

- Refractometer for measuring the urea concentration (AdBlue®*) to assess the quality of the urea-water solution
- Long storage times cause a slow decomposition of the urea-water solution
- An adjustable ocular allows for adjustment to the user's visual acuity
- Result is easily readable on the light-dark line
- Testing unit recommended by Daimler AG.

Scope of delivery

Delivery with sampling pipette in carton



*AdBlue is a registered trademark of VDA, the Association of the German Automotive Industry.

AEKP 04_LR

061205_1



SCR-Diagnosis kit

For quick and easy diagnosis and testing of the delivery pressure, the SCR system pressure and the system tightness

- The connection to the SCR system is made using SAE plug connections (Ø 7.89 mm / Ø 9.49 mm)
- Vacuum manometer NG 63 with rubber protective cap
- Measuring range -1... + 15 bar
Incl. Adapter set Ø 7.89 / 9.49 mm

Watch video



Connection example (Denoxtronic)



AEKP 09_LR

061211_1



Analysis kit for urea concentration / AdBlue®* with oil test strips

For taking and assessing samples of the urea-water solution from the tank

- Measurement options:
- Concentration of the urea-water solution
- Pollution of the urea-water solution from diesel fuel
- Long storage times cause a gradual decomposition of the urea-water solution
- With the help of the refractometer, the quality of the urea-water solution can be assessed.
- An adjustable eyepiece allows adjustment to the user's eyesight
- The result is easy to read on the light-dark line
- With the help of the oil test strips, diesel fuels can be detected in the urea-water solution

Scope of delivery

- 1 refractometer RFM 03 __% __ AB
- 1 pipette
- 1 box of oil strips (100 test strips)
- Delivery in a sturdy plastic case

Watch video





ABOUT US

When it comes to performing, simplifying and optimizing measurement, analysis and repair work on vehicles or engines, **LEITENBERGER** special tools are used worldwide.

Each product is developed with the highest demands on functionality, durability, ergonomics and safety.

Founded more than 50 years ago as a small family business, **LEITENBERGER** is today a worldwide operating company with plants in Germany and Greece.

- Owner-operated, traditional manufacturer of innovative measuring and analysis equipment as well as repair solutions for manufacturers and workshops
- In-house development and production of all devices up to series production
- Supplier independence due to high level of vertical integration
- Comprehensive technical know-how for efficient solutions
- Customer-oriented action
- ISO-certified quality
- International Network



PNEUMATIC BRAKE SYSTEMS

BDP 01

100102



Brake pressure tester for pneumatic braking systems on transport vehicles, (16/25 bar)

Suitable for quick and safe testing of the pneumatic brake system for safety testing

- For universal use
- The connection to the brake system is made with the supplied coupling heads
- Precision pressure gauge NG 100

Scope of delivery

- 2 pressure gauges DS 100, 0...16 bar, class 1.0
- 1 pressure gauge DS 100, 0...25 bar, class 1.0
- 3 compressed air hoses, each 3.50 m (11.5 ft) long
- 4 connecting heads
- Delivery in solid plastic case



BDPD 31

100144_1



Digital brake pressure tester (25 bar) truck air brake

Suitable for quick and safe testing of the pneumatic brake system

- For universal use
- The connection to the brake system is made with the supplied coupling heads
- Easy to read digital pressure gauges DM 80
- Not calibrated and also not calibratable.
- Optional: factory calibration certificate

• Scope of delivery

- 3 pressure gauges DM 80, 0...25 bar, class 0,5
- 3 compressed air hoses, each 3.50 m (11.5 ft) long
- 4 connecting heads
- 1 solid plastic case

BDPD 32

100145_1



Digital brake pressure tester (25 bar) truck air brake

Suitable for quick and safe testing of the pneumatic brake system

- For universal use
- The connection to the brake system is made with the supplied coupling heads
- Easy to read digital pressure gauges DM 80
- Not calibrated and also not calibratable.
- Optional: factory calibration certificate

• Scope of delivery

- 2 pressure gauges DM 80, 0...25 bar, class 0,5
- 2 compressed air hoses, each 3.50 m (11.5 ft) long
- 2 connecting heads
- 1 solid plastic case



HYDRAULIC BRAKE SYSTEMS

BSG 03_230A

100500_1



Brake service unit (230V, 20L) rollable with extraction unit

Fast and professional maintenance of brake, clutch and ABS systems

- Suitable for brake fluid of types DOT 3, DOT 4, DOT 4 Plus and DOT 5.1
- 1-man operation
- Mobile brake service perfectly organised
- Compact service cart: all necessary items are properly in place and within reach
- No transferring of the brake fluid since the original container serves as the tank
- Automatic shutdown when the reservoir is empty
- Stepless adjustment of the working pressure from 0.5 ... 3.5 bar
- Not necessary to bleed the device when changing the container
- Pressureless decoupling on the vehicle
- Leak test of the brake and clutch system
- max. containers up to 20 litres, fixed via adjustable safety strap

- Extraction unit with spiral hose and filter
- Collection container (1 litre) can be quickly and easily removed thanks to the quick coupling
- Adapters available for almost all vehicle manufacturers
- All individual parts are available as spare parts

Technical data:

- Operating pressure: 0.5–3.5 bar
- Weight: 21 kg
- Electrical connection: 230 VDC
- Length: 400 mm
- Width: 300 mm
- Height: 1000 mm
- Length filling hose: 3 m
- Container size max.: 20 l



Scan QR-code

to get to the
adapter list of brake system.



EBT 03

100128



Electronic brake fluid tester

For quick and precise testing or measuring of the water content (in %) and the boiling point (in °C) of the brake fluid

- All glycol-based brake fluids (DOT 3, DOT 4, DOT 4 Plus and DOT 5.1) can be measured
- Processor controlled
- With two-line, alphanumeric display
- Measurement starts automatically upon immersion of sensor
- Low battery indicator
- Automatic switch-off after 2 minutes without measurement
- Rugged measuring probe made from stainless steel
- Power supply 9V block battery

Note:

Confirmation of conformity from the BMVIT Vienna/Austria (Federal Ministry of Transport, Innovation and Technology) is available for the EBT 03 test device.

Scope of delivery

- Delivery in solid plastic case

EBT-Checker-Set

100200_1



Set for self-testing brake fluid testers

With this set you can perform a quick and reliable self-test of your brake fluid testers anytime and anywhere.

- reliable self-test of your brake fluid testers anytime and anywhere
- ensures that your brake fluid testers provides you with accurate measurement results
- particularly easy to use
- ideal for use in workshops



LRD 180_AK2.1

041620_10



Fuel system pressure tester with digital gauge

For fast, easy and professional testing of the flow and return pressure on injection systems for petrol and diesel engines

- For example, for testing and diagnosing the fuel pump, system pressure regulator and tightness, etc.
- The special adapter assembly makes it especially suitable for vehicles with plastic quick couplings according to the SAE standard
- Can be used almost universally in combination with other adapters
- The digital precision vacuum manometer with large display (digit height of 16 mm), integrated bar graph display, recallable MIN/MAX peak value, reset and zero function as well as display illumination enables effective analysis of the measurement values
- The flow of petrol can be closely observed through a plexiglass body (identification of bubbles)
- Pressure and vacuum testing from $-1 \dots +16$ bar
- All individual parts are available as spare parts
- Premium product, made in Germany
- Extensive assortment of adapters as accessories

Scope of delivery

- 1 digital precision vacuum pressure gauge (incl. factory calibration certificate), Measurement range: $-1 \dots +16$ bar, Accuracy class: $\pm 0.5\%$ FSS, Pressure units: bar, PSI, kPa, MPa, mbar; with rubber protection cap and quick coupling
- 1x plexiglass body with quick couplings
- 7 DPAK adapter pairs (coupling connection)
 - DPAK 64G, DPAK 65G, DPAK 66G, DPAK 67G, DPAK 68G, DPAK 69G, DPAK 70G
- Delivery in solid plastic case



Scan QR-code to get to the "Adapter list DPAK".

DET 600_SZ

041231_2



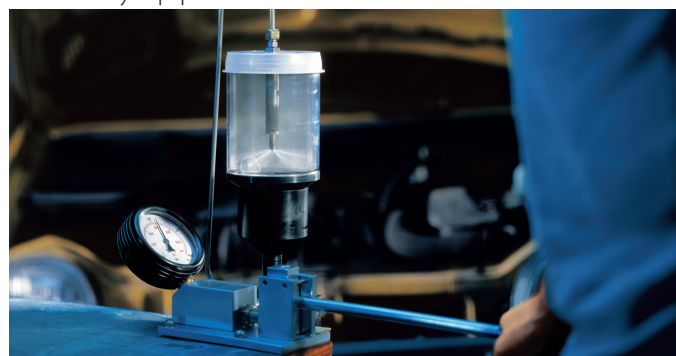
Tester for petrol and Diesel fuel injectors (600 bar / 8700 psi) with drag pointer

For the quick, easy and safe testing of injection nozzles / injectors of gasoline and diesel engines

- The following is checked: opening pressure, spray pattern, tightness and humming
- Measurement range $0 \dots 600$ bar / $0 \dots 8700$ psi
- The drag pointer stops at the highest value and displays this value. This is important when measuring the nozzle opening pressure, for example
- Detachable pump lever
- Liquid container (800 cm^3) with plexiglass splash guard
- Displacement 25 cm^3
- Precision pressure gauge made from stainless steel NG 100 with drag pointer, with rubber protection cap and double scale bar/psi
- All individual parts are available as spare parts
- Optionally with ISO calibration certificate (extra charge)

Scope of delivery

- 1 testing unit with pressure gauge
- 1 pressure line, thread M12x1.5
- 1 adapter, thread M12x1.5 to M14x1.5
- Delivery in paper box



DET 063

041255_3



Tester for testing petrol and diesel fuel injectors (600 bar / 8700 psi) with drag pointer

Same function, application and Scope of delivery as DET 600_SZ, but:

- Also suitable for leak testing of common rail injectors (drop formation, pressure drop etc.)
- Made from aluminium, with reversible pump lever
- Enables easy and ergonomic pumping from above or from the front

DET 062

041255_2

Tester for testing petrol and diesel fuel injectors (600 bar / 8700 psi)

Same function, application and Scope of delivery as DET 063, but:

- without drag pointer



Accessories

For further adapters, see 'Adapter list_DPAK' on the Internet, scan the QR code.

DISU 5400_2800bar_XW

041380_2



Test bench for 4 CR Diesel-Injector 2800 bar high-end version (water cooled)

Standalone Motor Driven Diesel CRI (4 Injectors) Test Bench, for professional and automated testing of up to 4 Common Rail injectors.

- Suitable for all common injectors of common rail diesel systems (Bosch, Delphi, Denso, Siemens / VDO / Continental, HTC, Piezo; CDI, TDI, HDI...)
- Diesel Passenger cars
 - Diesel Light duty vehicles
 - Diesel Medium & Heavy-Duty Commercial, Agriculture and Industrial Equipment
 - Diesel Heavy Duty Marines
- Future-proof, EU6 Systems Testing and Coding e.g. for NCC and VCC technology, CR13-25, CR13-27, Denso I-Art (6-pin)
- VDO Authorized Test Bench
- Injector coding function VDO IIC, Delphi C2i and C3i, Bosch IMA and ISA and Denso QR (optional)
- 3000 bar capable Test Bench
- Lifetime updates for software and database
- Over 2000 injector reference/test values
- Simple operation through Android operating system with intuitive user interface and touch screen operation as well as one clamping for all injectors
- Cloud X - cloud based technology
- Remote sync & backup



You can find the complete scope of testing and **other extensive functions** on our homepage on the Internet. To do this, you can scan this QR code.

CRPD 2500

042140_1



Common rail high pressure tester with digital manometer (2500 bar)

For quick, easy and safe static and dynamic pressure testing of the high pressure circuit on common rail diesel engines

- Max. working pressure up to 2500 bar
- Required, e.g. for testing the high-pressure pump when starting the engine or the system pressure test at varying speeds
- For universal use
- High performance quality product made in Germany
- All individual parts are available as spare parts

Watch video



Scope of delivery

- 1 test block with digital pressure gauge with protective rubber cap, NG 100, measurement range 0...2500 bar
- 2 flexible high-pressure hoses M 14x1.5, length 0.50 m
- 1 adapter thread M 14x1.5 (male thread)
- 1 silicone hose, 1.00 m (3.3 ft)
- Delivery in solid plastic case

LR 180/01

041601_1



Fuel pressure tester for Schrader valves

For fast, simple and professional testing of the fuel system pressure or inlet pressure on injection systems of petrol engines.

Can be used almost universally in conjunction with other adapters. Pressure and vacuum testing from -1 to +15 bar. All individual parts available as spare parts. Quality product, Made in Germany. Extensive range of adapters as accessories.

DEG 01_24VDC

060504_2



Electrical pump for ventilation of fuel systems of HDEP/MDEG diesel motors in utility vehicles

For quick, easy and professional ventilation of the fuel system of diesel engines in commercial vehicles

- Especially suitable for Daimler Truck HDEP (Heavy-Duty Engine Platform) and MDEG (Medium-Duty Engine Generation) engines
- Required, e.g., for repair and maintenance work on the fuel system or when the tank is empty
- Power is supplied via the 24 V/DC vehicle electrical system
- Light metal housing with handle for mobile use, for example in service vehicles
- Integrated pressure gauge 0...10 bar to observe the bleeding process
- Automatic switch-off at maximum pressure of 6.9 bar

Technical data:

- Power supply: 24 V/DC through battery clamps
- Hose length: suction-side approx. 3 m
- Hose length: pressure side approx. 2.50 m
- Pressure gauge: size 63, measurement range 0...10 bar, glycerine-filled
- Weight: 8 kg

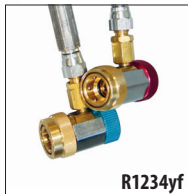
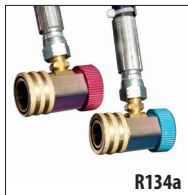
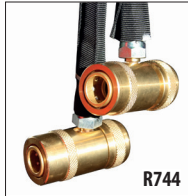
Scope of delivery

- 1 electric pump
- 1 suction hose, length 3.00 m, with fuel filter
- 2 spare filters including clamps
- 1 pressure hose, length 2.50 m (8.2 ft), with quick-connect coupling
- 1 electric connection cable with battery terminals
- 1 lead for power supply from battery
- Delivery in paper box

KLDS 05

060059_1

W 000 588 19 21 00
Recommended
by Mercedes Benz



Air conditioning leak testing system on trolley R744 (CO₂), R1234yf and R134a

For simple and safe leakage pressure testing of current air conditioning systems with the refrigerants R744 (CO₂), R1234yf and R134a.

Leak detection on A/C systems with contrast media is no longer permitted!

- KLDS 05 is introducing forming gas (N₂ 95 %/H₂ 5 %) into the A/C system, using a high performance pressure regulator. A pressure drop and thus a leak can be determined very quickly and easily.
- The fall in pressure can be read off easily and precisely.
- The practical trolley offers enough storage space for all six test hoses, each 3.0 m long, accessories, removed parts and tools and space for safe transport of 2 gas bottles á 10 L.
- The structure of the trolley ensures a safe stand and very good maneuverability thanks to two large and high quality wheels.
- 2 safety valves (20 and 100 bar), prevents damage to the A/C system and ensure maximum user protection.
- Valve for controlled release of the test pressure.
- Knurled nut for quick and easy assembly and dismantling the pressure reducer.
- Secure HP and LP couplings for R744 (CO₂), R1234yf, R134a air conditioners.
- High-quality components "Made in Germany" guarantee a safe and long-lasting use, even in harsh workshop environments.

Scope of delivery

- 1 air-tightness test system including pressure reducer on trolley
- 3 sets (each with 2 test hoses) each 3.0 m length including couplings for refrigerants R744 (CO₂), R1234yf, R134a
- 1 Operating manual



Practical trolley.
Suitable for holding
2 gas bottles, á 10 L.
(Gas cylinders are not
included in delivery).

Watch video



ELS 04

030215_1



Watch video



Electronic Leak Detector

We recommend the hydrogen detection kit ELS 04 for leak detection and localization.

- As a supplement to our Tightness Test Systems for Air Conditioning Systems.
- Meets all requirements of W000 588 03 21 00
- easy and accurate leak localization supported by acoustic and optical signals
- long and flexible swan-neck (500 mm) allows maximum reach
- operated by AA-batteries (not included in the delivery)
- Measurement range: 1 ppm . . . 2.2 Vol.-%
- Gas types: Acetone, Ethane, Methane, Propane, Hydrogen

Scope of delivery

- ELS 04 incl. 500 mm swan-neck
- Delivery in solid plastic case

SLD_01_LR1

060056_1



Diagnostic device for leakages on air conditioning and refrigeration systems, without ELS 04

For simple and safe leakage pressure testing and leak localization* on current air conditioning / refrigeration systems with the refrigerants R1234yf and R134a

- The testing of air conditioning systems with contrast medium is no longer permitted!
- High-precision pressure testing on the high pressure and low pressure side.
- With integrated test report printer for creating a test report.
- Documentation security through real-time clock (time and date cannot be changed)
- Leak test without contrast medium
- Leakage pressure test with nitrogen
- Leak localization* with forming gas
- * An additional electronic leak detector (ELS 04) is required to locate leaks
- Digital display, easy to read and accurate
- Measurement accuracy 0.5%
- Display 0.01 bar
- Mobile use thanks to the integrated battery
- Recorded pressure test of min. 10 minutes to max. 24 hours*

Scope of delivery

- 1x tightness tester with integrated protocol printer
- 1 hose set
- 1x adapter pair R134a
- 1x adapter pair R1234yf

Watch video



HV 90.2

060107_2



Pressure and vacuum pump for the testing of low-pressure switches

- Pressure and vacuum pump for the testing of low-pressure switches; rubber protected DS 63 mm (2 1/2") pressure gauge, double scale -1...+3 bar / 45 psi with fine divisions.
- Connector with 7/16"-20UNF male thread (for other adapters, see HVA-series)
- Applications medium- and high-pressure switches in:
 - refrigeration and air conditioning systems
 - pneumatic brake systems (transport vehicles)
 - oil pressure switches
- Testing capabilities:
 - determination of trip settings
 - determination of on/off trip settings or switching differentials

Scope of delivery

- Delivery without adapter in carton

AZ 174

070201_1



Multifunction tester / Automotive test lamp (9 - 48 V)

For quick and easy troubleshooting and diagnostics on the vehicle's 12 V electrical system and 48 V partial electrical system.

Versatile application options:

- With the integrated lighting, consisting of two LEDs, the test area is optimally illuminated so that you can work precisely even in dark environments.

Intelligent design:

- The voltage is displayed on a color-illuminated LC display, while polarity detection is supported by a red/green LED display. The toggle switch allows voltage or ground to be applied to the test probe.

Efficient fault diagnosis:

- The automatic detection and display of DC voltage or pulsed voltage further simplifies fault diagnosis. In addition, the vehicle test lamp enables a continuity test of switches, relays, diodes, fuses, wiring harnesses and more.
- Detectable poor earth connections are signaled both visually and acoustically, with the acoustic signals.

Practical details:

- The multifunction tester includes a fully insulated auxiliary ground cable with a length of 0.5 m and has a resettable thermal fuse (7.5 A) to prevent time loss due to cooling times. The measuring range extends from 0-48 V/DC, 0.1-48 V pulsed, 5 Hz-500 kHz, and the supply voltage is 9-48 V/DC.

Durable and easy to maintain, safe and reliable.

Scope of delivery

- 1 test device, 6 m connection cable with battery clamps (20 ft) long
- 1 auxiliary clamp with 0.50 m (20 in.) lead
- in solid plastic case

DFL 10-150_LR

061113_1



Blow by measuring device 10...150 l/min

- To measure Blow-By gases.
- Blow-By gases (also well known as leakage gases) are an indicator of the wear conditions of an engine.
- These gases can escape on leaking piston rings, valve guides or turbocharger bearings.
- Blow-By gases are measured in a realistic scenario.
 - measurement range: 10...150 l/min
 - high repeatability
 - quick measurement results

DFL 20-220_LR

061118_1

Blow by measuring device 20...220 l/min

Same function, application and Scope of delivery as DFL 10-150_LR, but:

- Measurement range: 20...220 l/min



DRV 05_BT

041113_22



Bluetooth®

Compression and engine pressure loss tester for petrol and diesel engines Bluetooth®

The compression and engine pressure loss tester DRV 05_BT* enables the recording of compression pressure values

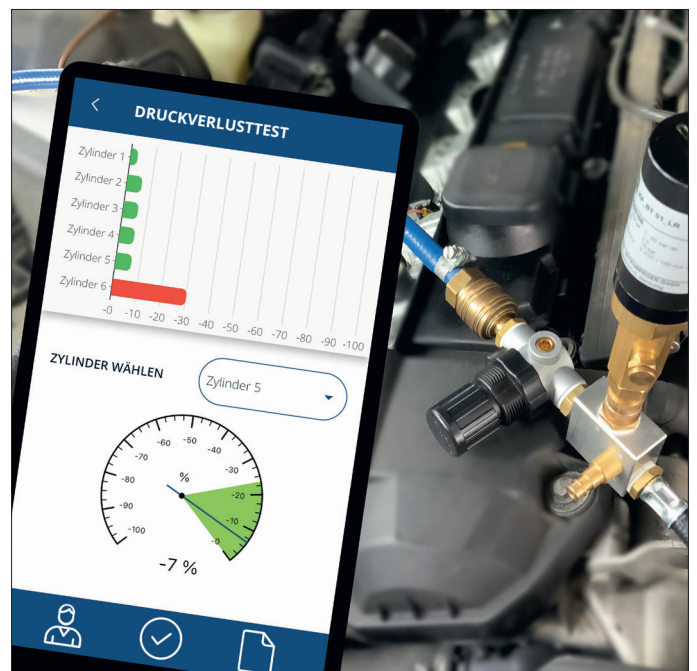
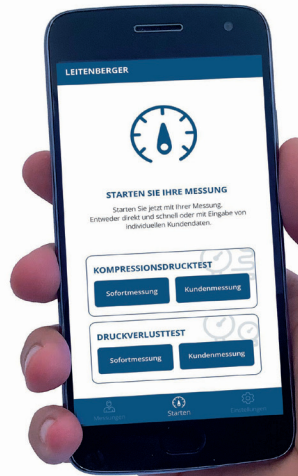
- Enables recording of compression pressure values and the extended diagnosis of each individual cylinder or combustion chamber.
- Compatible with all Leitenberger adapters as well as many other adapters available on the market.
- Compression pressure measurement with high-quality Leitenberger Bluetooth sensor.
- Measurement and immediate visualisation and evaluation ("live data" transmission).
- Sharing of measurement results via PDF, e-mail, airprint, etc.
- Graphical evaluation and saving of the measured values in a PDF document.
- "1-man test" possible, i.e. actuate starter and read off compression or engine pressure loss measured values at the same time.
- The operation of these devices is exclusively intended within the EU. These devices are NOT approved for operation outside the EU.

Technical data

- Measuring range: 0...60 bar, accuracy: Cl. 0.5
- Communication: Bluetooth, low energy
- Integrated display: no, only via Bluetooth to a terminal device
- Compression pressure adapter: not included in scope of delivery
- Dimensions: L x W x H 25 x 6 x 20.5 cm, weight: 0.8 kg

Scope of delivery

- Pressure sensor (incl. Factory calibration certificate, WKZ 01) with Bluetooth communication
- Charging cable
- Operating instructions on USB stick
- Sturdy case with matching foam insert
- Free app



ZKD Adapter, commercial vehicles

-



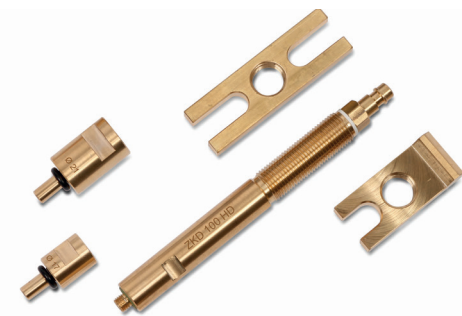
ZKD Adapter for use on commercial vehicles

ZKD Adapter for compression pressure and pressure loss testing.

- Commercial vehicle application. Suitable for KP 80, KPD 80, DRV 05 and DRVD 05. Adapter incl. DN5 plug for quick and easy coupling to the test equipment.

ZKD 100_HD

042836_1



Universal test adapter

Universally suitable for injection nozzle bore hole Ø 17 and 21 mm

- Due to the special design, the exchangeable head and the adjustable nozzle holder, can be used for a variety of commercial vehicle diesel engines
- Examples for use:**
- LKW:** DAF, FIAT, IVECO, MAN, MERCEDES, SCANIA, VOLVO
- AGRAR:** CASE, DEUTZ, FENDT, JOHN DEERE, NEW HOLLAND

ZKD 101_GS

042840_1



Compression Pressure & Pressure Drop Test Fixture Set UNI

Replaces over 80% of glow plug adapters.

Scope of delivery

- Adapter tube Compression pressure adapter
- Screw-in adapter M8x1 / M9x1 / M10x1 / M10x1.25
- Angle gauge 60° / 90° / 120°
- 6 x sealing cones (Ø 8.2/60°, Ø 8.2/90°, Ø 8.2/120°, Ø 6.8/60° Ø 6.8/90°, Ø 6.8/120°)
- Double open-end wrench 5.5 mm / 7 mm
- 1 adapter for Motometer devices

DRV 05

041113



Engine pressure-loss tester

Quick and easy diagnosis of each individual cylinder or combustion chamber

- Universally suitable for petrol and diesel engines (in connection with further adapters)
- The special pressure gauge allows a quick evaluation
- If the pointer is not in the green area, the measured pressure loss is not acceptable
- Before carrying out the test, the maximum permissible pressure loss of the engine is set (approx. 23%) by connecting it to the workshop's compressed air supply
- Simple application and operation

Scope of delivery

- 1 engine pressure loss tester with pressure control valve and precision pressure gauge NG 80 with stable rubber protection cap
- 1 test hose with quick coupling, length 1.00 m
- 1 adapter ZKS 01.1 for spark plug thread M14x1.25 and M18x1.5
- Delivery in paper box



LR 249

010934_1



Combination radiator tester for universal and single adapters and release valve

Ideal combination for commercial vehicles

- Glass fibre reinforced plastic design, with ergonomic pump body shape
- Precision pressure gauge NG 52 with robust rubber protection cap
- Double scale 0...2.5 bar / 0...36 psi.
- Ideal configuration for commercial vehicles
- A total of five adapters with coupling connection, one of which is an angled adapter (KW..) for situations with little space in the engine compartment
- Includes radiator adapters for individual vehicle models of the following brands:
 - MAN, Mercedes, Iveco, DAF
- For information on how the test adapters are allocated to the respective vehicle models, please download „Adapter list for cooling system testers“ from the service area

Scope of delivery

- 1 cooling system tester TVU 139/1
- 1 flexible connector FZ 100K
- 5 test adapters (KW 40, KS 103, KS 108, KS 110, KS 113)
- Delivery in solid plastic case

Watch video



LR 239

010933_1

Combination radiator tester

Ideal combination for agricultural machinery

- Same function, application and Scope of delivery as LR 249
- Includes radiator adapters for individual vehicle models of the following brands:
 - Claas, Fendt, CNH, Valtra, Massey Fergusson, Amazone, John Deere



Assignment

Further adapters (adapter list for cooling system testers (commercial vehicles)) can be found on the Internet by scanning the QR code.

KVB 01

011401_1



Vacuum cooling system filler with quick coupling

- Works with all LEITENBERGER radiator adapters with the designation K., KS., KW.. and universal adapter UA 50 for radiator orifices from Ø 20...41 mm.
- Filling method suitable for almost all vehicle types.
- Easy to use.
- Bubble-free filling.
- Reliable and maintenance-free.
- Filling incl. leak testing in about 5 minutes.
- Also suitable to bleed stationary heating systems.
- Suitable for cooling systems in hybrid and electric vehicles as well as vehicles with fuel cells.

Scope of delivery

- 1 vacuum cooling System filler
- 1 venturi nozzle
- 2 suction/emptying tube PVC, each 1.50 m long
- Delivery in solid plastic case



Scan QR-code to get to the adapter list "Cooling system tester":

Watch video



DT 01_LR

040413_2



Diagnostic tool for turbocharger and crankcase pressure

Diagnostic quick test of crankcase pressure, exhaust back pressure and pneumatic boost pressure control (without OBD tester).

- Measuring the crankcase pressure
- Measuring the exhaust back pressure
- Testing the pneumatic boost pressure control
- High-quality aluminum design
- Digital dial gauge accurate to 1 mbar
- For diesel and petrol engines
- Also for vehicles without oil dipstick
- Diagnosis while driving

Scope of delivery

- Pressure gauge with DN5 plug nipple
- Adapter EFTA01 (use for Audi, BMW, Porsche, Mercedes-Benz, Toyota, VW, Seat, Skoda, etc.)
- Adapter EFTA08 (use for Opel/GM Org.TI.Nr. 90412508, 55566555)
- Adapter EFTA09 (use for VW Group from introduction of MQB platform, Golf VII, etc.)
- Adapter EFTA13 (use for Mercedes Citan W 415, OM 607, Renault Kangoo from 2013, K9K engine)
- Adapter EFTA15 (use for Mercedes M 282 Otto 1.4l, Org.TI.Nr. A 282 018 11 00 Mercedes OM 654 Diesel, Org.TI.Nr. A 654 010 26 02)
- Adapter EFTA17 (use for VW engine EA211evo)
- Hose connection adapter
- T-piece 6/6/6
- T-piece 4/6/4
- 2 hoses 2.5 m with plug-in coupling
- 2 hoses 25 cm
- Supplied in plastic case

RSL 01

042753_1



Smoke generator - Smoker - Leak detector



Indispensable leak detector for the efficient and rapid localization of leaks in almost all closed systems of a vehicle.

- Compact design and easy operation
- Reliable power supply and high performance
- Adjustable smoke flow control for precise diagnostics
- Versatile operating options
- Practical for everyday use
- A real all-rounder in your garage

Scope of delivery

- Smoke generator - Smoker leak detector
- Connection hose for smoke pipe
- 12 V power cable with power clamps
- Air bellows
- Removal tool for valves
- Conical adapters
- Connection for crankcase adapter
- Sealing plug Conical adapter
- Spare part air bellows
- Hook
- Crankcase adapter Bayonet
- PVC hose (6x3x10 mm with hose connector)
- Bottle of smoke oil 250 ml
- Operating instructions



CONTACT

Autotestgeräte
LEITENBERGER GMBH
Bahnhofstraße 33
72138 Kirchentellinsfurt
Germany



+49 (0)7121/908-101



+49 (0)7121/908-200



ATG-info@LR-germany.de



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