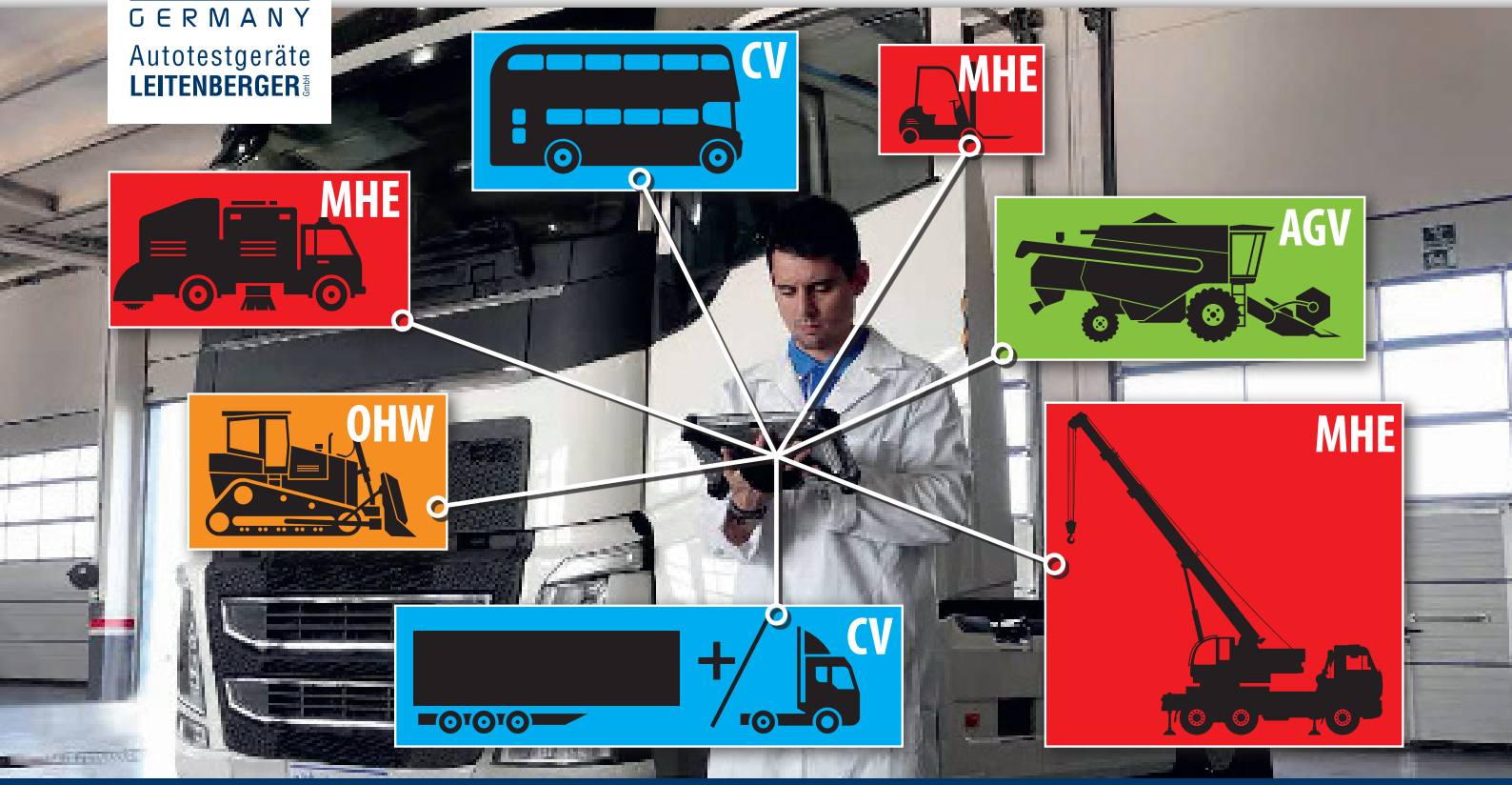
GERMANY
Autotestgeräte
LEITENBERGER GmbH

WWW.AUTOTESTGERAETE.DE



AUTOTESTGERÄTE **LEITENBERGER GMBH** THINK BIG

LIVE ON SITE. VISIT US AT ONE OF THE TRADE FAIRS.

Frankfurt on the Main	**Automechanika**	13. September - 17. September 2022	Hall 8.0 / Booth L64
Munich	**BAUMA**	24. October - 30. October 2022	Hall A2 / Booth 421
Hannover	**Agritechnika**	12. November - 18. November 2023	

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

Delivery content

- 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 delivery content 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.

Delivery content

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

HD 01_Set_02 **041982_1**

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

Same function, application and delivery content 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 delivery content 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“

MBV XX_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 01_LR	041984_1	7,5…75 l/min	G 1/2“
MBV 02_LR	041985_1	15…300 l/min	G 1 1/4“
MBV 03_LR	041986_1	40…600 l/min	G 1 1/2“

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»

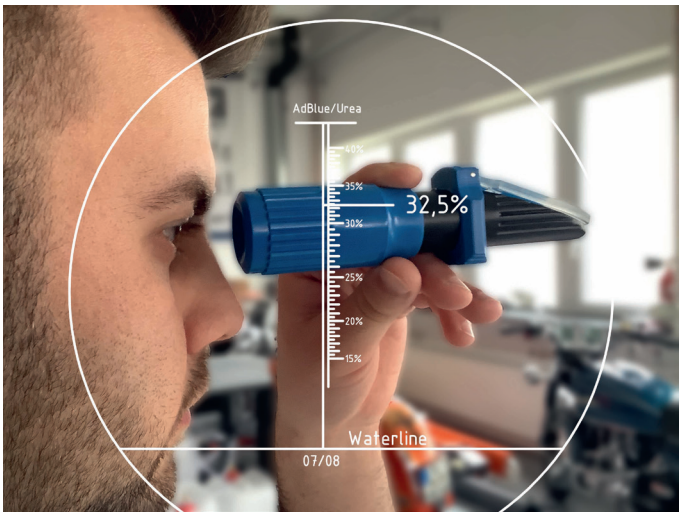
RFM 03_%_AB **110306_25**

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.

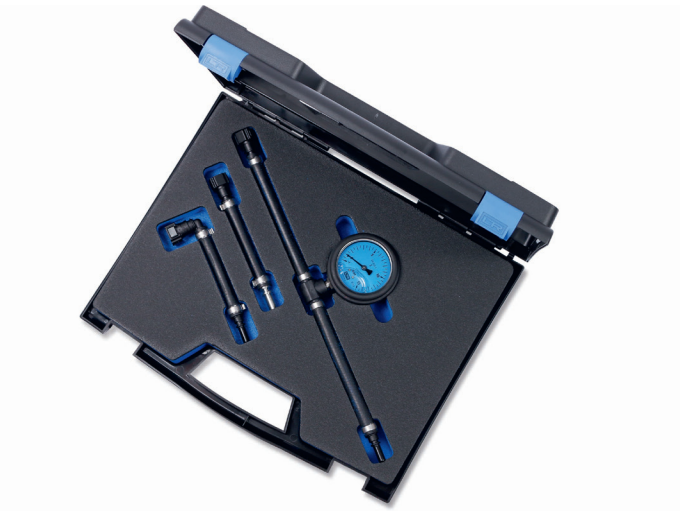
Delivery content

Delivery with sampling pipette in carton



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

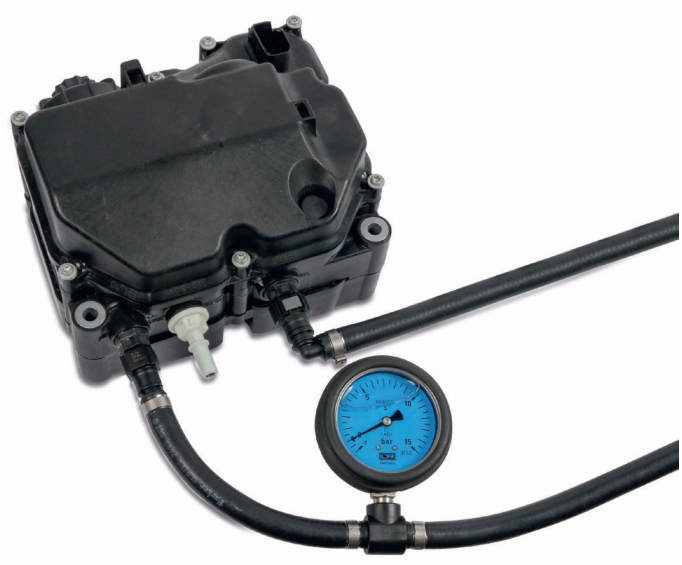
AEKP 04_LR **061205_1**



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



AEKP 09_LR **061211_1**

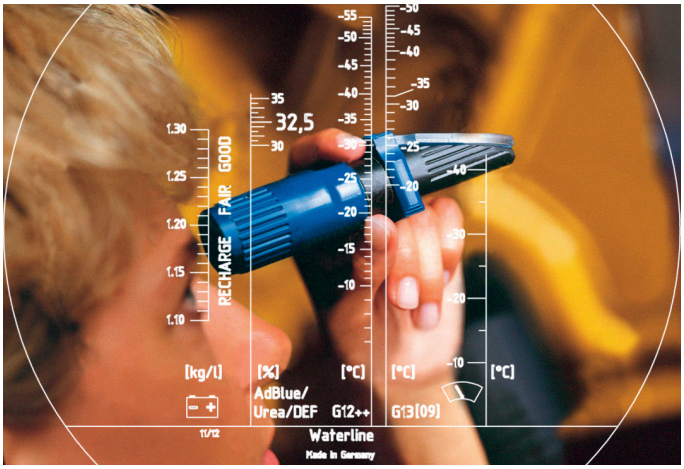
Analysis kit for urea concentration / AdBlue®* with oil test strips

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



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

Delivery content

- 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

Also available as calibrated version, BDP 01G (Ref no. 100102_2)

BDPD 31/BDPD 32 **100144_1/100145_1**

Digital brake pressure tester for pneumatic braking systems on transport vehicles, (25 bar)

Same function, application and delivery content as BDP 01/BDP 02, but:

- with digital pressure gauge 0 . . . 25 bar, Kl. 0.5 % (replaces analogue pressure gauges)
- Easy to read digital pressure gauges
- Not calibrated and also not verifiable
- Optional: factory calibration certificate

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

Delivery content
- 1 Brake service unit BSG 03
- 1 Adapter (universal) B 611

Accessories
- Range of adapters (designation B..) for almost all car manufacturers
- Special adapters on request.

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 9 V 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.

Delivery content
- Delivery in solid plastic case

MLPS 03 **061114_1**

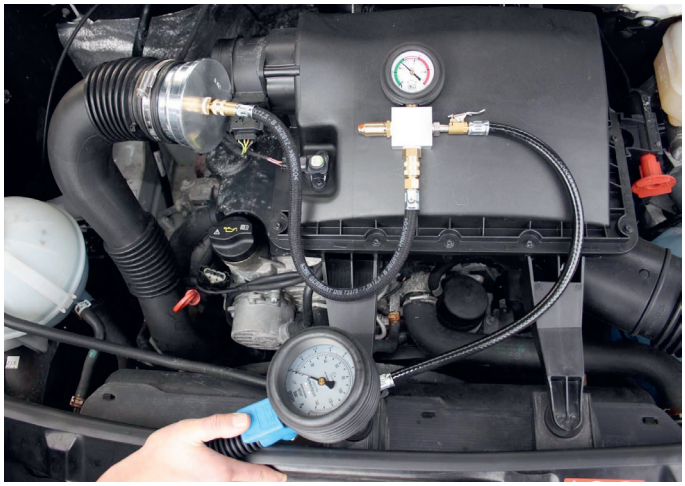
Leak testing of charge air systems

For quick diagnosis of the charge air system

- Leak testing and leak localization
- The multi-stage plugs enable the closure of hose diameters of different sizes
- Sealing plug and adapter made of aluminium with safety bead
- With safety valve for overpressure protection, reliable and maintenance-free
- For universal use
- Display 0 . . . 2.5 bar; Pressure relief valve max. 1 bar output

Delivery content

- 1 MLPS pressure regulator
- 1 filling hose 0,4 m
- 1 adapter (Ø in mm = 50, 60, 70)
- 1 closing plug (Ø in mm = 50, 60, 70)
- 1 case
- 1 operating manual



TDU 03 **040404_1**

Turbo boost / differential pressure Tester

For quick and easy mechanical diagnosis and measurement of turbocharging and its environment

- The charging pressure, the control pressure of the control box, the differential pressure / exhaust back pressure at the sensor and the crankcase pressure are measured
- Mechanical testing of these pressures is important because problems with the turbocharger do not always have to originate from the turbocharger. Often these are also located around the turbocharger and the OBD system is unable to detect various causes such as condensation, clogging or cracks
- The two precision vacuum pressure gauges (-1 . . . +3 bar and -10 . . . +10 mbar) with fine graduation and robust rubber protection cap ensure easy reading of the measurement values.

Delivery content

- 1 vacuum pressure gauge NG 63, -1 . . . +3 bar, scale in bar and psi
- 1 vacuum pressure gauge NG 63, -10 . . . +10 mbar with test hose
- 1 test hose 3.00 m with 3x T-piece
- 1 hose piece 0.30 m
- Delivery in paper box

TEST US OUT!

LEITENBERGER is an established, innovative and highly effective development partner in the following sectors and supports renowned OEMs and suppliers with product development.

- Car and lorry manufacturers
- Wholesalers and workshop chains
- Motorbike manufacturers
- Testing organisations and assessors
- Agriculture and forestry machines
- Construction equipment manufacturers
- Army and navy
- Shipping industry
- Educational institutions

Our engineers support development: from the idea to the series-produced product. Thanks to our expertise in the fields of design, construction, trialling, simulation and prototyping, we are able to offer both complete solutions and partial developments.

DEVELOPMENT

State-of-the-art is a must. And practical know-how matters too. This gives us room for innovation and our customers a decisive edge over the competition when it comes to measuring and analysis equipment for manufacturers and their workshops.

At LEITENBERGER we find solutions for all types of applications, construct samples and develop prototypes up to series production. We produce our devices as well as almost all components ourselves. With a vertical integration that surprises even our long-standing customers time and again.

We can do even more for you:

- Prototype construction
- 3D print models
- Software programming
- PCB assembly
- CNC machining
- ISO calibration
- Customised packing on request
- Screen printing
- Laser marking
- Series production

QUALITY WITH SEAL

„Form follows function" – under this motto we have been developing and producing high-quality testing equipment for 50 years. Functionality, reliability and durability are always at the forefront. Our name stands for quality engineered AND made in Germany. This means that LEITENBERGER carries out all steps of product development in-house. From concept to series maturity. And the result of this approach speaks for itself:

Our quality management system has been certified according to DIN EN ISO 9001:2015 since 1996.

9001:2015 certificated.

ZERTIFIKAT ◆ CERTIFICATE ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH
certifies that

LR GERMANY

Autotestgeräte LEITENBERGER GmbH
Bahnhofstraße 33
72138 Kirchentellinsfurt
Germany

has established and applies
a Quality Management System for

development, manufacturing and sales of
test equipment for cars.

An audit was performed, Order No. 70005540.
Proof has been furnished that the requirements
according to

ISO 9001:2015

are fulfilled.
The certificate is valid in conjunction
with the main certificate from 2020-02-08 until 2023-02-07.
Certificate Registration No.: 12 100 24343/03 TMS.

Product Compliance Management
Munich, 2020-02-04

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 . . . +16 bar
- All individual parts are available as spare parts
- Premium product, made in Germany
- Extensive assortment of adapters as accessories

Delivery content

- 1 digital precision vacuum pressure gauge (incl. factory calibration certificate),Measurement range: -1 . . . +16 bar, Accuracy class: ± 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

Accessories

For further adapters see „Adapter list DPAK“

LR 180_AK2 **041620_2**

Fuel system pressure tester with compound gauge

Same function, application and delivery content as LRD 180_AK2, but:

- Pressure and vacuum testing from -1 . . . +9 bar
- 1 precision vacuum gauge NG 63, measurement range -1 . . . +9 bar with quick coupling

LRDL 180_AK2 **041620_9**

Fuel system pressure tester with digital gauge

Same function, application and delivery content as LRD 180_AK2, but:

- with digital precision vacuum pressure gauge
- enables effective analysis of the measurement values
- Pressure and vacuum testing from -1 . . . +16 bar
- 1x digital precision vacuum pressure gauge, measurement range -1 . . . +16 bar, with rubber protection cap and quick coupling

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. . .600 bar / 0. . .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)

Delivery content

- 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 600 **041231_1**

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

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

- without drag pointer

DET 063 **041255_3**

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

Same function, application and delivery content 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 delivery content as DET 063, but:

- without drag pointer

CRPD 2500 **042140_1**

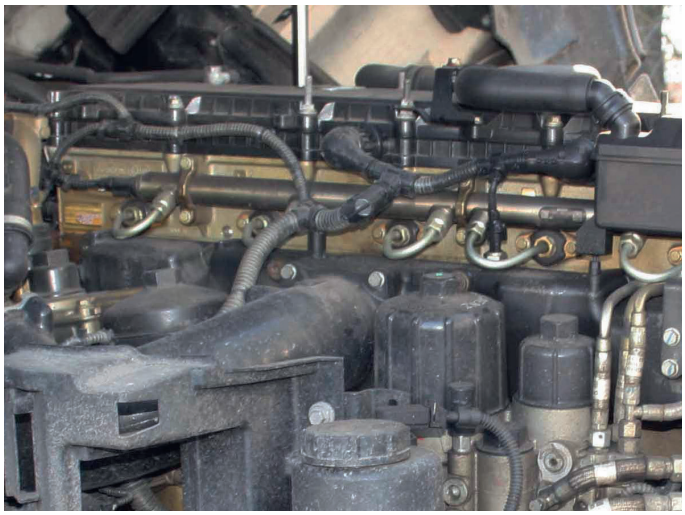
Common rail high pressure tester with digital manometer (2500 bar)

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

Delivery content

- 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



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:

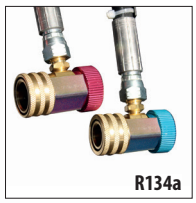
- Power supply: 24 V/DC through battery clamps
- Hose length: suction-side approx. 3 m
- Hose length: pressure side approx. 2.50 m
- Pressure gauge: size 63, measurement range 0 . . . 10 bar, glycerine-filled
- Weight: 8 kg

Delivery content

- 1 electric pum
- 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 (CO_2), R1234yf and R134a

For simple and safe leakage pressure testing of current air conditioning systems with the refrigerants R744 (CO_2), 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 easyly.
- 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.

Delivery content

- 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 (CO_2), R1234yf, R134a
- 1 Operating manual

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

ELS 04 **030215_1**

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 accustic 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

Delivery content

- 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 refrig. 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*

Delivery content

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

Accessories

For leak detection with forming gas, an additional electronic leak detector (ELS 04) is required.

- ELS 04 electronic leak detector (030215_1) see p. 13

SLD_01_LR2 **060056_2**

Diagnostic device for leakages on air conditioning and refrig. systems, with ELS 04

- Same function, application and delivery content as SLD_01_LR1, but inclusive:
- 1 ELS 04 electronic leak detector

HV 90.2 **060107_2**

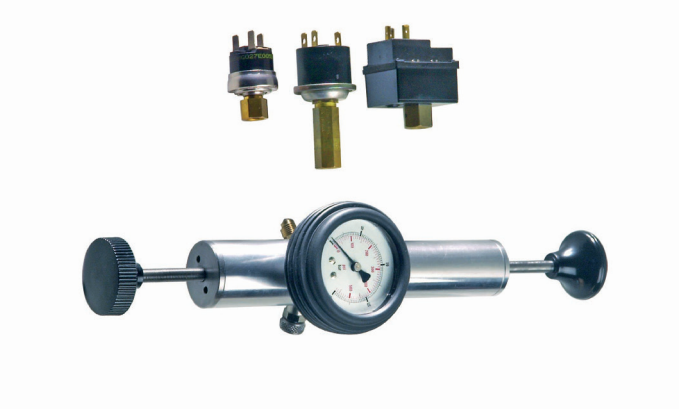
Pressure and vacuum pump for the testing of low-pressure switches

- 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

Delivery content

- Delivery without adapter in carton

HV 90.3 **060110_1**



Pressure pump for testing of medium- and high-pressure switches

- Pressure pump with rotary spindle and drain valve, for the testing of medium- and high-pressure switches; rubber protected DS 63 mm (2 1/2") pressure gauge, double scale 0. . .40 bar / 580 psi with fine divisions.
- Connector with 7/16"-20 UNF 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

Delivery content

- Delivery without adapter in carton

Multibrand diagnostic device -

Multisystem diagnostic device for vehicle diagnostics and maintenance work

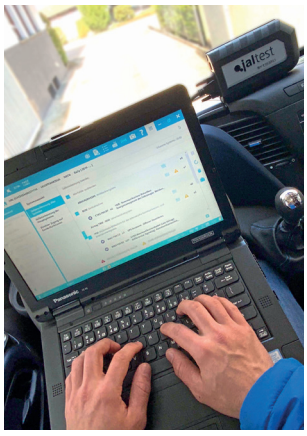
Jaltest is a **multi-brand, multi-system diagnostic device** that was developed to perform vehicle diagnostics and maintenance tasks in a simple and intuitive way.

Multi-brand workshops often face the challenge of diagnosing faults and make appropriate repairs.

With the multi-brand diagnostic solutions from Jaltest, Autotestgeräte Leitenberger now has a **UNIVERSAL DIAGNOSTICS DEVICE** in its product range. Thanks to individual adaptors and cables and a comprehensive software numerous manufacturers from the commercial vehicle, OHW and the agricultural sector are supported.

New brands, models and systems are constantly integrated into the system and made available to workshops **three times a year via a free software update.**

The multi-brand diagnostic offers include our **"5-Year Carefree Package"** with the following services included in the monthly lease rate:



- Industrial grade and rugged laptop, with German keyboard.
- Pre-installed diagnostic software on the laptop
- Activated 5-year user license
- 1-day basic training, at various locations in Germany

Thanks to individual plugs and cables and comprehensive software, numerous manufacturers are supported, from the fields of

- (CV) Commercial Vehicles
- (OHW) Off Highway
- (MHE) Material handling equipment
- (AGV) vehicles for agriculture and forestry

DFL 10-150_LR **061113_1**

Blow by measuring device 10…150 l/min

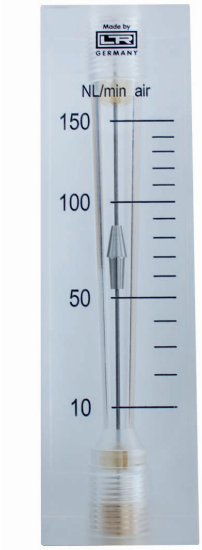
- To measure Blow-By gases.
- Blow-By gases (also well known as leakage gases) are an indicator of the wear conditions of an engine.
- This gases can escape on leaking piston rings, valve guides or turbocharger bearings.
- Blow-By gases are measured in a realistic scenario.
  - measurement range: 10 . . . 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 delivery content as DFL 10-150_LR, but:

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



DRV 05 **041113**

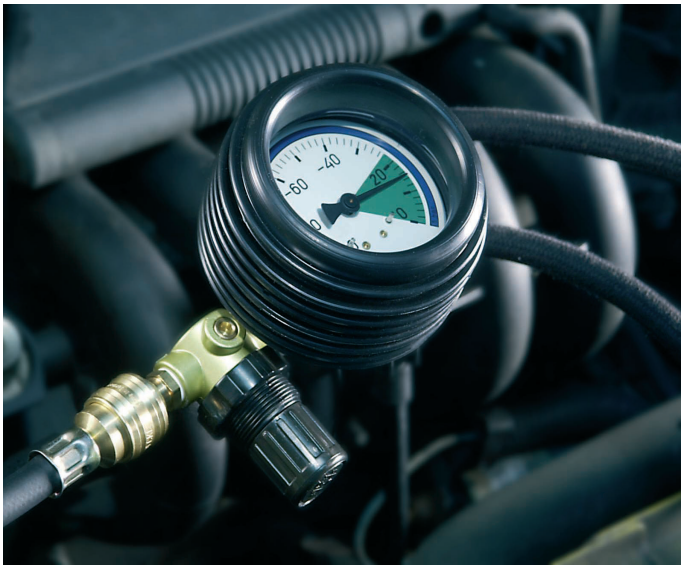
Engine pressure-loss tester

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

Delivery content

- 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



KP_BT01_LR **040298_1**

Compression pressure recorder Bluetooth

The new compression pressure measurement for the modern and innovative workshop.

- With the KP_BT 01_LR from Autotestgeräte Leitenberger, compression pressure values are recorded and transmitted to a terminal device, e.g. a smartphone or tablet.
- The measurement data can be analyzed quickly and easily in a specially developed "LR Smart Tools" app and documented for customers.
- The app is free for all users and can be downloaded for Android and IOS in the corresponding stores.
- Suitable for use on single and multi-cylinder engines.
- Compression pressure measurement with high quality Leitenberger Bluetooth sensor.
- Measurement and immediate visualization and evaluation ("live data" transmission). Data transfer to end devices (e.g. smartphones, tablets, etc.) via Bluetooth technology.
- Forwarding of the measurement results via PDF, email, airprint, etc.
- Graphic evaluation and storage of the measured values in a PDF document.
- "1-man test" possible, i.e. Operate the starter and read the compression pressure readings at the same time.
- No consumables (such as print chart cards, paper rolls, etc.) thanks to the completely digital process.
- The operation of this device is only intended within the EU. This device is NOT approved for use outside the EU

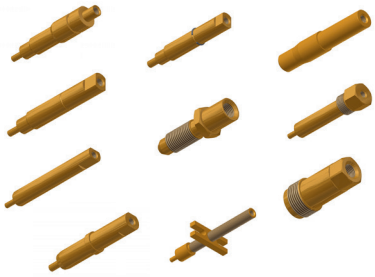
Technical specifications

- Measuring range: 0 . . . 60 bar
- Accuracy: class 0.5
- Bluetooth version: BLE 5.1
- Communication: Bluetooth, low energy
- Integrated display: no, only via Bluetooth to an end device
- Compression pressure adapter: not included in delivery
- Weight: 0.8kg
- Dimensions: L x W x H 25 x 6 x 20.5 cm
- App for iOS and Android

Delivery content

- 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 **-**

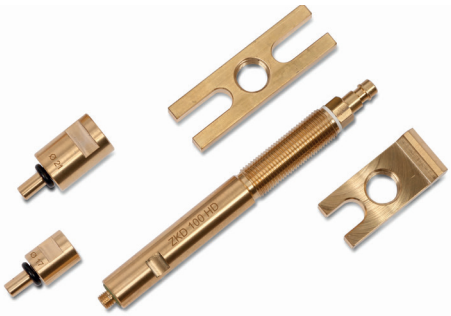


ZKD Adapter for use on commercial vehicles

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

LR 249 **010934_1**

Combination radiator tester

Ideal combination for commercial vehicles

- Cooling system tester with quick coupling for universal and single adapters and release valve
- 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

Delivery content

- 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

LR 239 **010933_1**

Combination radiator tester

Ideal combination for agricultural machinery

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

Delivery content

- 1 cooling system tester TVU 139/1
- 1 flexible connector FZ 100K
- 5 test adapter (KW 40, KS 25, KS 68, KS 77, KS 108)
- Delivery in solid plastic case

KVB 01 **011401_1**

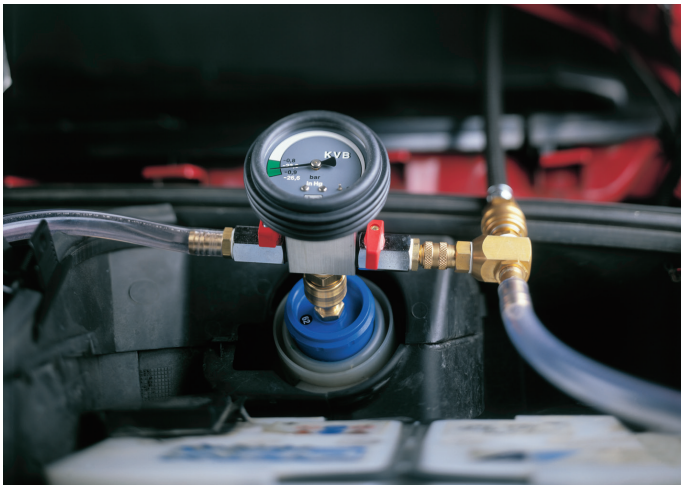
Vacuum cooling system filler with quick coupling

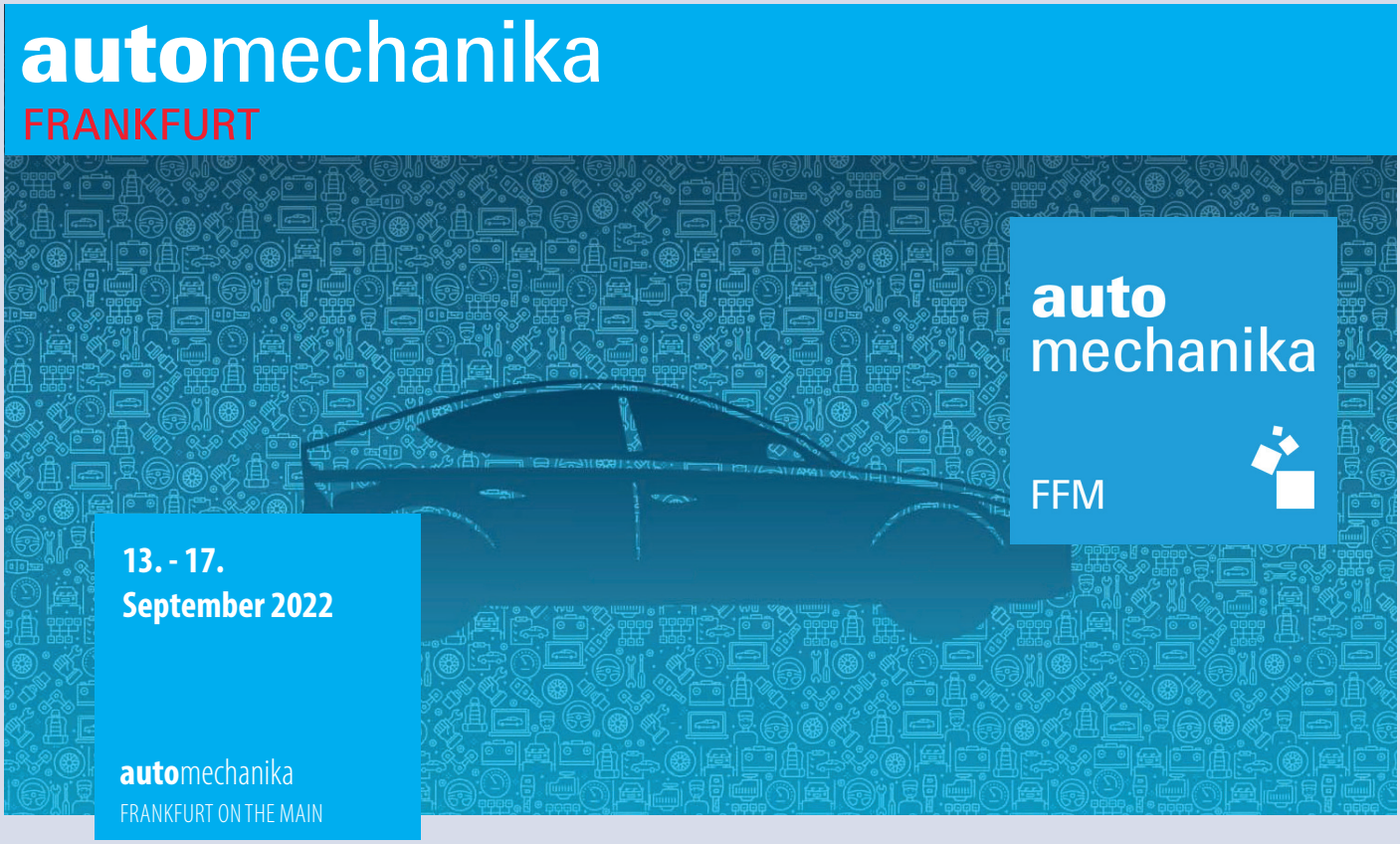
- Works with all LEITENBERGER radiator adapters with the designation K.., KS.., KW.. and universal adapter UA 50 for radiator orifices from Ø 20 . . . 41 mm.
- Filling method suitable for almost all vehicle types.
- Easy to use.
- Bubble-free filling.
- Reliable and maintenance-free.
- Filling incl. 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.

Delivery content

- 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“:





AUTOMECHANIKA 2022

Restart for the automotive aftermarket: experience innovations from international key players and learn more about new technologies and trends at the international meeting place for the manufacturing industry, repair shops and automotive trade. Like no other trade fair, it represents the entire value chain of the automotive aftermarket.

We will be back at Automechanika in 2021. And as always, same hall, same booth.

13. - 17. September 2022
Hall 8.0 booth L64

We are looking forward to your visit!

MORE PRODUCT SOLUTIONS, MEASURING, TESTING AND DIAGNOSTIC EQUIPMENT

you will find on our homepage:
WWW.AUTOTESTGERAETE.DE

CONTACT

Autotestgeräte
LEITENBERGER GMBH
Bahnhofstraße 33
72138 Kirchentellinsfurt
Germany

+49 (0)7121/908-101

+49 (0)7121/908-200

ATG-info@LR-germany.de

ISO 9001: 2015
Registration no.
12 100 24343/01 TMS

Subject to technical alterations.

04/2022

PREMIUM-Products
Made in Germany