

lujan



CATALOGUE
2018 **HEADLAMP BEAM TESTER**
DIESEL OPACIMETER
INFRARED GAS ANALYSER
ELECTRONIC TESTERS



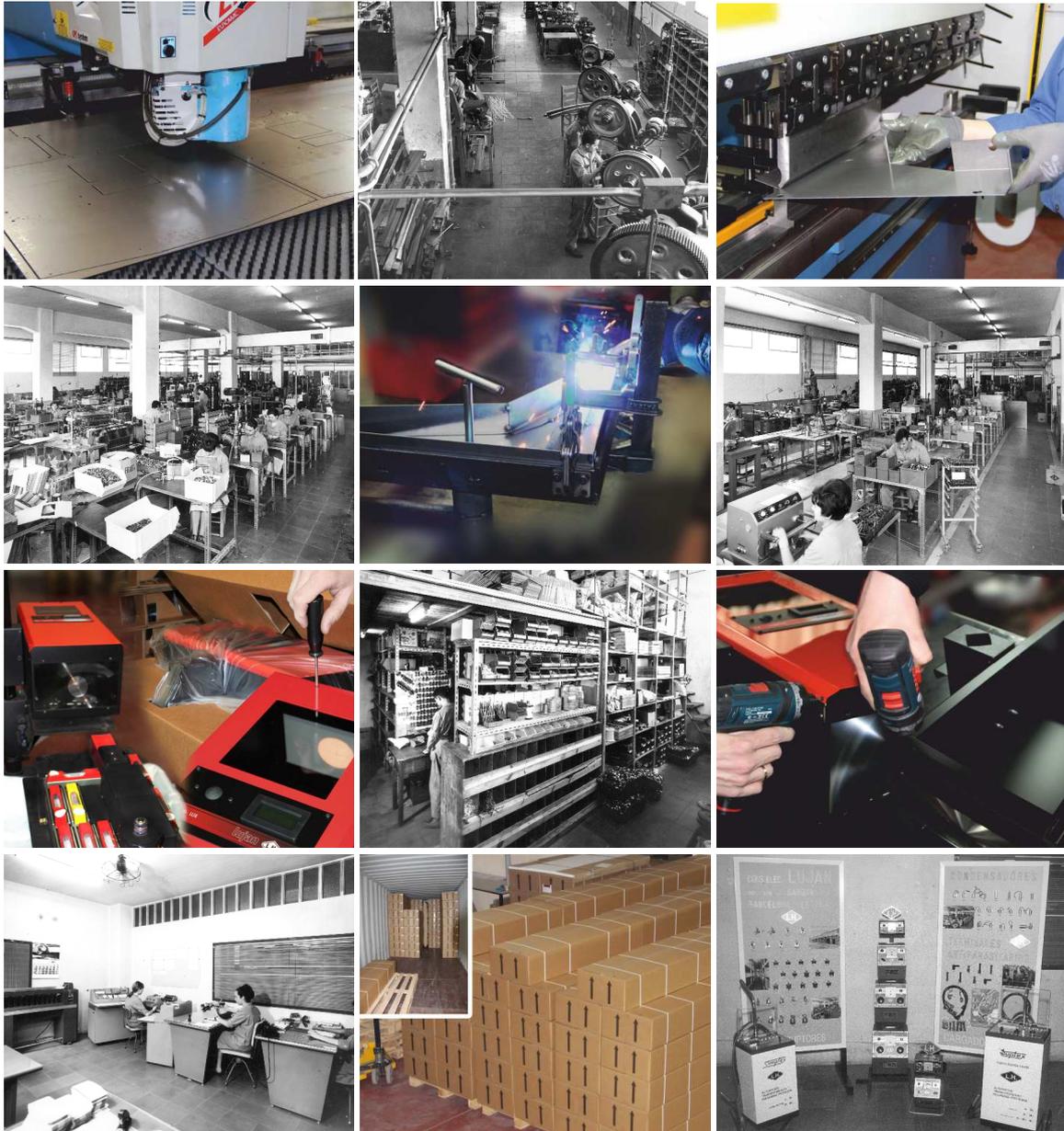
www.lujan.es

1957

lujan

LUJAN is one of the leading Spanish companies, manufacturing and designing high quality electrical and electronic garage equipment since 1957.

Additionally to our standard range of products, and due to our continuous innovation, flexibility and responsiveness, we are able to produce custom-made products with short delivery terms and low minimum batch requirements.



2018

www.lujan.es

construcciones eléctricas LUJAN, S. A. - Alfons Maseras, s/n
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Phone: +34 977 677518 - Fax: + 34 977 677050 - e-mail: lujan@lujan.es

model LJN5413

HEADLAMP BEAM TESTER STANDARD MODEL

lujan

ref. L13LJN001

Characteristics:

- Suitable to verify and adjust any kind of headlamp (high, low and fog lights), including headlights with XENON and LED lamps.
- Appropriate for use both in garages and Test Lanes. For light and heavy vehicles.
- Internal aiming screen with scale for both right and left hand drive vehicles.
- Steel wire alignment visor with calibration system.
- Height adjustment system with locking system.
- Digital luxmeter.
- Comfortable use due to the positioning of the wheels.
- Robust anti-tip base.
- Supplied with assembly, operation and calibration manuals.

Steel wire alignment visor with calibration system.

Wide measuring window.



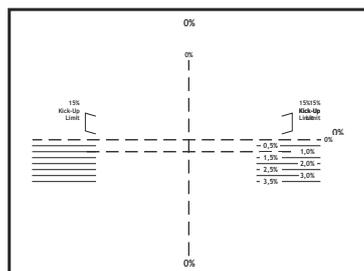
L13LJN001	Min.	250	✓
	Max.	1350	

	A	B	C	kg.
	1560	515	270	25

Digital luxmeter.



Suitable for all kind of vehicles and lamps (including xenon and led).



model

LJN5416

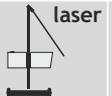
HEADLAMP BEAM TESTER DOUBLE LASER

lujan

ref. L16LJN001

Characteristics:

- Suitable to verify and adjust any kind of headlamp (high, low and fog lights), including headlights with XENON and LED lamps.
- Appropriate for use both in garages and Test Lanes. For light and heavy vehicles.
- Internal regulable measuring screen with scale for both right and left hand drive vehicles.
- Laser alignment visor + central laser pointer to easily positioning of the unit in front of the vehicle.
- Height adjustment system with locking system.
- Digital luxmeter.
- Comfortable use due to the positioning of the wheels.
- Robust anti-tip base.
- Supplied with assembly, operation and calibration manuals .
- All models are able to adapt the Rotating Mast Kit ref. 5412/KG (See Accesories catalogue).

Reference				
L16LJN001	Min. 250	✓	✓	
	Max. 1350			
	A	B	C	kg.
	1560	515	270	25

Digital luxmeter.



Regulation of the internal measuring screen.



Laser alignment visor

Wide measuring window.



Laser alignment visor and central laser point

model

LJN5417

**HEADLAMP BEAM TESTER
TÜV APPROVED**

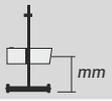
lujan

ref. L17LJN001

Characteristics:

- Suitable to verify and adjust any kind of headlamp (high, low and fog lights), including headlights with XENON and LED lamps.
- Appropriate for use both in garages and Test Lanes. For light and heavy vehicles.
- Besides complying with EC regulations, they are also approved by the Hannover TÜV, for usage in TÜV workshops in Germany (certificate nr. TPN100083443).
- Internal regulable measuring screen with scale for both right and left hand drive vehicles.
- Steel wire alignment visor with calibration system.
- Height adjustment system with locking system.
- Digital luxmeter.
- Comfortable use due to the positioning of the wheels.
- Robust anti-tip base.
- Supplied with assembly, operation and calibration manuals and EC Declaration of Conformity.
- All models are able to adapt the Rotating Mast Kit ref. 5412/KG (See Accesories catalogue).



Reference			TÜV approved	
L17LJN001	Min. 250	✓	Nr. TPN100083443	
	Max. 1350			
	A	B	C	kg.
	1560	515	270	25



Regulation of the internal measuring screen.



model
LJN5417 HEADLAMP BEAM TESTER
 TÜV APPROVED
 DOUBLE LASER

ref. L17LJN002

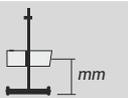
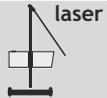
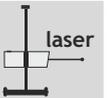
Characteristics:

- Suitable to verify and adjust any kind of headlamp (high, low and fog lights), including headlights with XENON and LED lamps.
- Appropriate for use both in garages and Test Lanes. For light and heavy vehicles.
- Besides complying with EC regulations, they are also approved by the Hannover TÜV, for usage in TÜV workshops in Germany (certificate nr. TPN100083443).
- Internal regulable measuring screen with scale for both right and left hand drive vehicles.
- Steel wire alignment visor with calibration system.
- Height adjustment system with locking system.
- Digital luxmeter.
- Comfortable use due to the positioning of the wheels.
- Robust anti-tip base.
- Supplied with assembly, operation and calibration manuals.
- All models are able to adapt the Rotating Mast Kit ref. 5412/KG (See Accesories catalogue).



Laser alignment visor

Wide measuring window.

Reference					
L17LJN002	Min. 250	✓	✓		
	Max. 1350				
TÜV approved Nr. TPN100083443		A	B	C	kg.
		1560	515	270	25

Digital luxmeter.



Regulation of the internal measuring screen.



Laser alignment visor and central laser point

model

LJN5417

HEADLAMP BEAM TESTER TÜV APPROVED ROTATING MAST & RAIL TRACKS

ref. L17LJN008

Characteristics:

- Suitable to verify and adjust any kind of headlamp (high, low and fog lights), including headlights with XENON and LED lamps.
- Appropriate for use both in garages and Test Lanes. For light and heavy vehicles.
- Besides complying with EC regulations, they are also approved by the Hannover TÜV, for usage in TÜV workshops in Germany (certificate nr. TPN100083443).
- Internal regulable measuring screen with scale for both right and left hand drive vehicles.
- Laser alignment visor + central laser pointer to easily positioning of the unit in front of the vehicle.
- Rotating mast allows a 360° turning of the body of the headlight tester over the axis of the bar. It has a big stability and allows block of the rotating mast with rails for displacement.
- Displacement over rail tracks (4 meter lenght included).
- Height adjustment system with locking system.
- Digital luxmeter.
- Comfortable use due to the positioning of the wheels. Robust anti-tip base.
- Supplied with assembly, operation and calibration manuals .



Reference					
L17LJN008	Min. 250 Max. 1350	✓	✓	✓	
TÜV approved Nr. TPN100083443		A	B	C	kg.
		1660	515	278	40

Digital luxmeter.



Regulation of the internal measuring screen.



Bar with scale in cm



Dust cover



model

LJN5417

HEADLAMP BEAM TESTER TÜV APPROVED ROTATING MAST & DOUBLE LASER

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ref. L17LJN009

Characteristics:

- Suitable to verify and adjust any kind of headlamp (high, low and fog lights), including headlights with XENON and LED lamps.
- Appropriate for use both in garages and Test Lanes. For light and heavy vehicles.
- Besides complying with EC regulations, they are also approved by the Hannover TÜV, for usage in TÜV workshops in Germany (certificate nr. TPN100083443).
- Internal regulable measuring screen with scale for both right and left hand drive vehicles.
- Laser alignment visor + central laser pointer to easily positioning of the unit in front of the vehicle.
- Rotating mast allows a 360° turning of the body of the headlight tester over the axis of the bar. It has a big stability and allows block of the rotating mast. It is recommended to be used with rails (ref. 5412/KR).
- Height adjustment system with locking system.
- Digital luxmeter.
- Comfortable use due to the positioning of the wheels. Robust anti-tip base.
- Supplied with assembly, operation and calibration manuals .



Reference					
L17LJN009	Min. 250	✓	✓	✓	
	Max. 1350				
TÜV approved Nr. TPN100083443		A	B	C	kg.
		1560	515	270	28



Regulation of the internal measuring screen.



Bar with scale in cm



Dust cover



model LJN5418 / LJN5418L / LJN5419

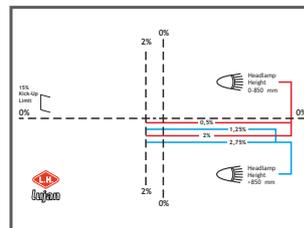
HEADLAMP BEAM TESTER V.O.S.A. APPROVED



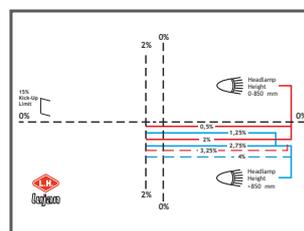
Characteristics:

- Suitable to verify and adjust any kind of headlamp (high, low and fog lights), including headlights with XENON and LED lamps.
- Appropriate for use both in garages and MOT Testing Stations. For light and heavy vehicles.
- Mirror alignment visor in model LJN5418 and Laser alignment visor in models LJN5418L and LJN5419.
- In LJN5418L and LJN5419, laser pointer coming out from the center of the lens, which is very useful to easily positioning the unit in front of the headlamp.
- Height adjustment system with locking system.
- Digital luxmeter (optional in model LJN5418).
- Comfortable use due to the positioning of the wheels.
- Robust anti-tip base.
- Supplied with assembly, operation and calibration manuals.

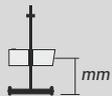
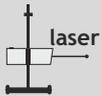
Suitable for all kind of vehicles and lamps (including xenon and led).

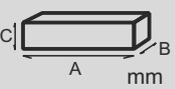


LJN5418 & LJN5418L



LJN5419

Reference	 mm	Visor		 V.O.S.A. approved
L18LJN001	Min. 250	Mirror	—	EINHB17263A1111063 for testing all classes excluding HGV
	Max. 1400			
L18LJN002	Min. 250	Laser	✓	EINHB17263A0212002 for testing all classes excluding HGV
	Max. 1400			
L19LJN001	Min. 250	Laser	✓	EINHB17263A0112001 for testing all classes
	Max. 1550			

 mm	A	B	C	kg.
	1660	515	278	40



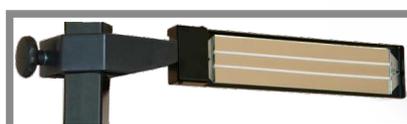
Laser alignment visor
(models LJN5418L
& LJN5419)

Wide measuring window.
Digital luxmeter (option in LJN5418).



Wide measuring window.
Digital luxmeter.

Mirror alignment visor
(model LJN5418)



model

LJN5421

HEADLAMP BEAM TESTER

TÜV APPROVED

ROTATING MAST & DOUBLE LASER

lujan

ref. L21LJN001

Characteristics:

- Suitable to verify and adjust any kind of headlamp (Measures both in %, degree ° or cm/10 m the slope of the high, low and fog light beams), including headlights with XENON and LED lamps.
- For light and heavy vehicles.
- Besides complying with EC regulations, they are also approved by the TÜV (certificate nr. TPN100111737).
- PC Computer connection trough USB, Bluetooth and WiFi.
- Allows connection to any commercial USB, Bluetooth or WiFi printer.
- Laser alignment visor + central laser pointer to easily positioning of the unit in front of the vehicle.
- Rotating mast allows a 360° turning of the body of the headlight tester over the axis of the bar.
- Height adjustment system with locking system.
- Power: Li-Ion batteries with input for an external battery charger 230Vac.
- Comfortable use due to the positioning of the wheels. Robust anti-tip base.
- Supplied with assembly, operation and calibration manuals.
- 10 inches touch screen (with Windows 10 included).
- High quality 1.3 Megapixel CMOS camera.
- All the software is designed to be very easy to use (with guided menus)
- Resolution of measures: 0,1 %



Laser alignment visor

Reference				
L21LJN001	Min. 250	✓	✓	-6,0% to +2,0% ±0,2%
	Max. 1350			
	A	B	C	kg.
	1660	515	278	30

Dust cover



Bar with scale in cm



model
LJN5421 HEADLAMP BEAM TESTER
 TÜV APPROVED
 ROTATING MAST & DOUBLE LASER
 WITH "SLS" SYSTEM

ref. L21LJN007

Characteristics:

- Suitable to verify and adjust any kind of headlamp (Measures both in %, degree ° or cm/10 m the slope of the high, low and fog light beams), including headlights with XENON and LED lamps.
- For light and heavy vehicles.
- NEW!! Includes SLS - Self Levelling System, which automatically compensates uneven floors up to +/- 3%. Very useful for garages where the floor under the headlamp tester is not levelled.
- Besides complying with EC regulations, they are also approved by the TÜV (certificate nr. TPN100111737).
- PC Computer connection through USB, Bluetooth and WiFi.
- Allows connection to any commercial USB, Bluetooth or WiFi printer.
- Laser alignment visor + central laser pointer to easily position the unit in front of the vehicle.
- Rotating mast allows a 360° turning of the body of the headlight tester over the axis of the bar.
- Height adjustment system with locking system.
- Power: Li-Ion batteries with input for an external battery charger 230Vac.
- Comfortable use due to the positioning of the wheels. Robust anti-tip base.
- Supplied with assembly, operation and calibration manuals.
- 10 inches touch screen (with Windows 10 included).
- High quality 1.3 Megapixel CMOS camera.
- All the software is designed to be very easy to use (with guided menus)
- Resolution of measures: 0,1 %



Laser alignment visor

Reference				
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L21LJN007	Min. 250	✓	✓	-6,0% to +2,0% ±0,2%
	Max. 1350			

	A	B	C	kg.
	1660	515	278	30



Dust cover



Bar with scale in cm

model

LJN5421 HEADLAMP BEAM TESTER TÜV APPROVED ELECTRONIC & DISPLACEMENT BY RAIL

ref. L21LJN002

Characteristics:

- Suitable to verify and adjust any kind of headlamp (Measures both in %, degree ° or cm/10 m the slope of the high, low and fog light beams), including headlights with XENON and LED lamps.
- For light and heavy vehicles.
- Besides complying with EC regulations, they are also approved by the TÜV (certificate nr. TPN100111737).
- PC Computer connection trough USB, Bluetooth and WiFi.
- Allows connection to any commercial USB, Bluetooth or WiFi printer.
- Laser alignment visor + central laser pointer to easily positioning of the unit in front of the vehicle.
- Rotating mast allows a 360° turning of the body of the headlight tester over the axis of the bar.
- Displacement over Rail Tracks (4 meter length included).
- Height adjustment system with locking system.
- Power: Li-Ion batteries with input for an external battery charger 230Vac.
- Comfortable use due to the positioning of the wheels. Robust anti-tip base.
- Supplied with assembly, operation and calibration manuals.
- 10 inches touch screen (with Windows 10 included).
- High quality 1.3 Megapixel CMOS camera.
- All the software is designed to be very easy to use (with guided menus).
- Resolution of measures: 0,1 %



Laser alignment visor

Reference				
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L21LJN002	Min. 250	✓	✓	-6,0% to +2,0% ±0,2%
	Max. 1350			

	A	B	C	kg.
	1660	515	278	45

Dust cover



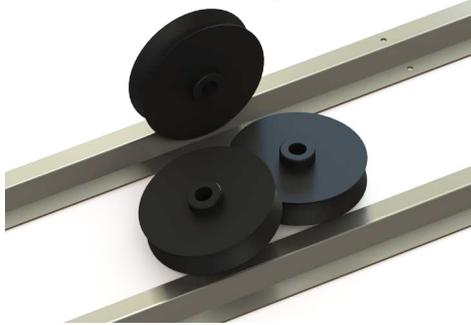
Bar with scale in cm



HEADLIGHT TESTERS ACCESORIES

LH5412/KR RAIL TRACKS KIT

- For mounting of the Headlight Tester with rails. It's recommended their use together with LH5412/KG



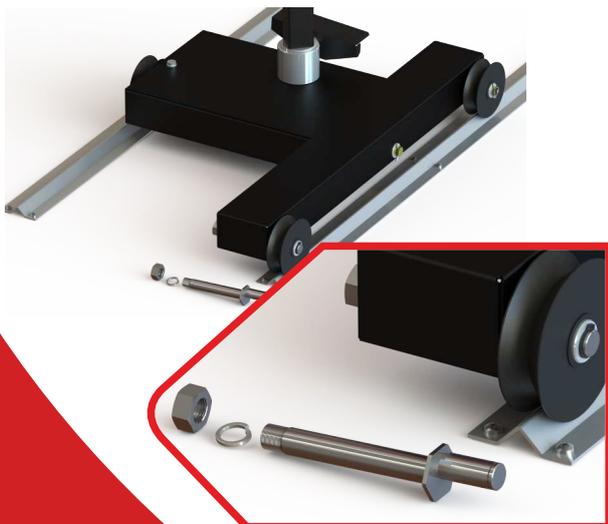
LH5412/VL LASER VISOR

- To add laser visor to any model.

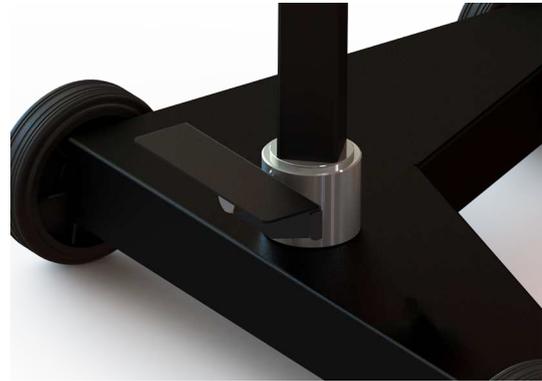


A17LJN610/611 2nd AXLE ADJUST OPTION

- To allow adjustment of the slope of the second axle of any "L" or "T" base of Lujan Headlight Testers.



LH5412/KG ROTATING MAST KIT



LH5412/FD DUST COVER

- To protect against dust and dirt any Lujan headlight tester.



LH5412/MT BAR WITH SCALE IN CM

- Bar that has a scale in cm that corresponds to the height of the headlight center from floor.



model

LH5059PC / LH5259PC

INFRARED GAS ANALYSER

LH5059/PC

INFRARED GAS ANALYSER WITH PC

- Automatic and continuous drain of water .
- Preinstalled to connect a smoke meter for diesel engines (LH5154/PC).
- Automatic auto-zero process, even with the exhaust probe inserted in the car's tailpipe.
- Warm up time: 3 to 5 min.
- Infrared measuring bench OIML Class 0.
- Optional NOx sensor.
- Includes PC computer and colour inkjet printer
- Includes a data base to store testing results (printable)
- Measured values change their presentation colour (green/red) depending on if their are correct or not.
- Has a diagnostics option that guides the user to find the problem in the vehicle.
- Configuration of screens, graphics, printings, ...
- Very easy to use. Intuitive and simple operating.
- Supplied including chariot with wheels LH95.



LH5259/PC

LH5259/PC

GAS ANALYSER MODULE TO CONNECT TO PC

- For users that already had a computer
- Supplied gas analyser module together with the software and cables necessary to connect it to a computer.
- Automatic and continuous drain of water .
- Automatic auto-zero process, even with the exhaust probe inserted in the car's tailpipe.
- Warm up time: 3 to 5 min.
- Infrared measuring bench OIML Class 0.
- Optional NOx sensor.

LH5059/PC

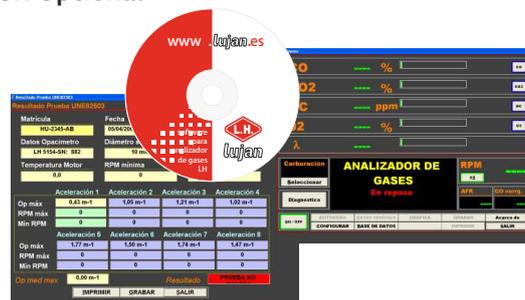


LH5059/PC - LH5259/PC Metrological characteristics

Measure	Range	Resolution
CO	0.0 -8.00 % vol.	0.01 %
CO2	0.00 -16.0 % vol.	0.1 %
O2	0.00 -25.0 % vol.	0.01 %
HC	0 -2000 ppm vol.	1 ppm
NOx*	0 -2000 ppm vol.	1 ppm
RPM	0 -9990 rpm	10 rpm
Lambda	0.500 - 1.500	0.001

* NOx Optional

SEE OPTIONAL ACCESORIES IN
"REPLACEMENT PARTS & ACCESORIES"



model LH5154

DIESEL OPACIMETER

LH5154 OPACITY MODULE

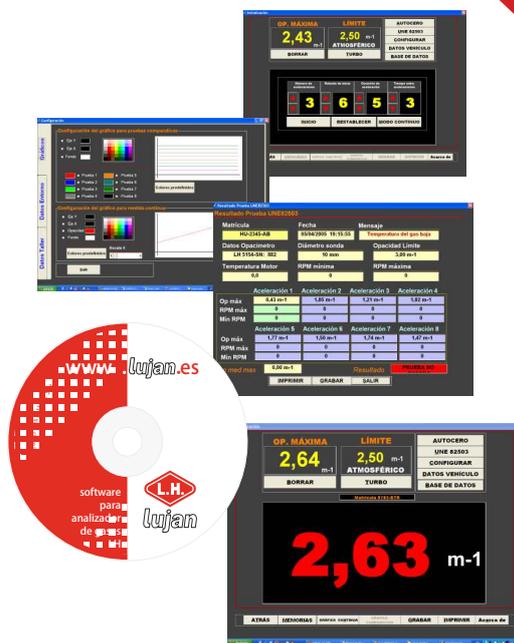
- Excellent partial flux measuring technique opacimeter, comfortable and easy to use, compatible with the free acceleration tests (among other, those described in the European Directive 92/55).

- Easy cleaning of lens.

The LH5154 is a versatile opacity measurement module which can be configured in different ways:

- With a personal computer. (installation requirements are minimum, meaning that could be used any PC in the workshop like, i. e. the one used in a test line). LH5154/PC.

- With a LH5059/PC gas analyser, to make up the model "comb" LH5159/PC (LH5154/PC + LH95 + LH5059/PC).



LH5154 - LH5154/PC - LH5154/12V Metrological Characteristics

Precision	±2%
Res.	0,1% / 0,01 m-1
Range	0-9,99 m-1 / 0-99,9%
Temperature	5..40°C
Humidity	9..95%



LH5154
LH5154/PC
LH5154/12V

LH5154/PC OPACITY MODULE TO CONNECT TO A PC

- For users that already have a Personal Computer.
- Has same metrological characteristics than module LH5154.
- Supplied: Opacimeter module, software and all necessary cables.

Software:

- Printing of results, graphics and stored values in the data base. Including workshop details and logo.
- Possibility of configuration of SCREENS, MEASURING LIMITS, GRAPHICS, PRINTINGS ...
- Very easy use. Simple and intuitive operating.
- TESTS. Three kind of tests: continue (instant) measuring, measure of various accelerations (totally configurable by the user) and test according to official norm .
- DATA. Allows to perform the tests and to store the results for subsequently consult , compare or to print them.

LH5154/12V 12V SMOKEMETER

12V (vehicle battery) powered opacity module.

model
LH5054PC

lujan



LH5054/PC

DIESEL OPACIMETER WITH PC

Same metrological characteristics than module LH5154.

• Supplied: Computer + Chariot with wheels LH95 + Opacimeter module, software and all necessary cables.

Software:

- Printing of results, graphics and stored values in the data base. Including workshop details and logo.
- Possibility of configuration of SCREENS, MEASURING LIMITS, GRAPHICS, PRINTINGS ...
- Very easy use. Simple and intuitive operating.
- TESTS. Three kind of tests: continue (instant) measuring, measure of various accelerations (totally configurable by the user) and test according to official norm.
- DATA. Allows to perform the tests and to store the results for subsequently consult , compare or to print them.

**LH5054/PC
Metrological Characteristics**

Precision	±2%
Res.	0,1% / 0,01 m-1
Range	0-9,99 m-1 / 0-99,9%
Temperature	5..40°C
Humidity	9..95%



model
LH5159PC

"COMBI" EMISSIONS ANALYSER

lujan



LH5159/PC

It includes:

COMPUTER

- 19" TFT MONITOR
- COLOR INJEKT PRINTER

SOFTWARE

PETROL & DIESEL WITH COMPUTER

CONFIGURATION

Possibility of configuration of SCREENS, MEASURING LIMITS, GRAPHICS, PRINTINGS ... Very easy use. Simple and intuitive operation.

DATA

Allows to perform the tests and to store the results for subsequently consult , compare or to print them.

MEASURING

- In PETROL gas analyser mode, continuous measure, recording of data and measures, diagnostics and graphics.
- In DIESEL opacimeter mode, three kinds of tests: continuous (instant) measuring, measure of various accelerations (totally configurable by the user) and test according to official norm.
- In opacity, measures in % and Light Absortion Density K(m-1)

PRINTING

- Printing of results, graphics and stored values in the data base. Including workshop details and logo.



SEE OPTIONAL ACCESSORIES IN
"REPLACEMENT PARTS & ACCESSORIES"

"COMBI" EMISSIONS ANALYSER

OPACITY MODULE

- Excellent partial flux measuring technique opacimeter, comfortable and easy to use, compatible with the free acceleration tests (among other, those described in the European Directive 92/55).

- Easy cleaning of lens.

Software:

- Printing of results, graphics and stored values in the data base. Including workshop details and logo.
- Possibility of configuration of SCREENS, MEASURING LIMITS, GRAPHICS, PRINTINGS ...
- Very easy use. Simple and intuitive operating.
- TESTS. Three kind of tests: continue (instant) measuring, measure of various accelerations (totally configurable by the user) and test according to official norm .
- DATA. Allows to perform the tests and to store the results for subsequently consult , compare or to print them.



Metrological Characteristics

Precision	±2%
Res.	0,1% / 0,01 m-1
Range	0-9,99 m-1 / 0-99,9%
Temperature	5..40°C
Humidity	9..95%

GAS ANALYSER MODULE

- Automatic and continuous drain of water .
- Automatic auto-zero process, even with the exhaust probe inserted in the car's tailpipe.
- Warm up time: 3 to 5 min.
- Infrared measuring bench OIML Class 0.
- Optional NOx sensor.



Metrological characteristics

Measure	Range	Resolution
CO	0.0 -8.00 % vol.	0.01 %
CO2	0.00 -16.0 % vol.	0.1 %
O2	0.00 -25.0 % vol.	0.01 %
HC	0 -2000 ppm vol.	1 ppm
NOx*	0 -2000 ppm vol.	1 ppm
RPM	0 -9990 rpm	10 rpm
Lambda	0.500 - 1.500	0.001

* NOx Optional

AUTOMOTIVE ELECTRONIC TESTERS AND TOOLS

LH9102 LAMBDA SENSORS TESTER

- The lambda sensor diagnostic unit enables all current types of lambda sensors to be checked: zirconia (0-1V, both the normal ones and the new "lean burn" type) and titania (0-1V and 0-5V).
- It is able to simulate the lambda sensor signal in order to verify the ECU response.
- It permits the operator to both verify and identify the sensor connection (power supply, chassis earth, signal, and heater etc).
- It is fully protected against all types of incorrect connections and handling.
- It has been designed to be very simple to use with respect to users with very little experience with the operation of this type of sensor.



LH9135 BRAKE FLUID TESTER

- The LH9135 is a digital brake fluid tester with leds, powered by a 9v battery.
- Their main features are inexpensive and easy to use.
- Designed to work with any kind or brand of brake fluid tester based in glycol (DOT3, DOT4, DOT5.1).
- Readings are made over a 10 leds scale (light emitting diodes), which allows a high resolution measuring.
- The purpose of this tester is to determine whether the amount of water absorbed by the brake fluid is excessive or not. When the brakes are submitted to stress their temperature raises, and this may cause water vapour bubbles forming in the hydraulic circuit causing brake fading.



LH9120 IR & RF (434 & 868 MHz) REMOTE KEY TESTER

- It detects if remote key is emitting RF (433,92 & 868 MHz) or IR signal. An easy and quick way to determine if a remote key is working or not without the need to dismantle any part of the vehicle. Powered by a 9V battery.



AUTOMOTIVE ELECTRONIC TESTERS AND TOOLS

LH9175 GLOW PLUGS TESTER

- The instrument allows to verify in a easy and fast way the right working of glow plugs with 12V supply in diesel engines, taking as reference the current consumption of glow plugs.
- Completely protected against connection errors.
- Includes 7 indicators (LED type): low battery, reverse polarity, open circuit, short circuit, current consumption too high or too low and glow plug ok.



LH9185 COIL TESTER

- The instrument allows to verify in a easy and fast way the right working of ignition coils.
- The functioning is based on the evaluation of the electromagnetic waves generated by all kind of vehicle ignition coil during its normal working.
- Results visualisation on 2 high visibility LEDs: "no signal" (that indicates electromagnetic waves absence) and "OK", meaning that the tester has detected electromagnetic waves (like the ones generated by ignition coils).



ELECTRONIC SURGE PROTECTORS

LH9170-12V

LH9171-24V

LH9172-12/24V

- The electronic surge protectors from Luján have been developed to protect the car's electronic equipment against the electric surges, like the ones generated during welding on the car's body, the battery's charge or the starting aid with an external battery .



THE ELECTRONIC SURGE PROTECTORS MUST BE CONNECTED BEFORE PERFORMING ANY OF THE FOLLOWING OPERATIONS OVER THE VEHICLE:

- Welding on the vehicle's body
- Battery's charge
- Starting aid with an external battery

LH9180 12V MEMORY SAVER

- The LH9180 has been developed to save the cars' electronic powered memories, avoiding the inconveniences produced by the erase of them during replacement of the battery or repair. Practical and easy to use. You only need to connect the LH9180 to the car's cigarette plug and to an external battery. The LH9180 assures with a light indicator that onnections are ok before disconnecting the battery of the car.



AUTOMOTIVE ELECTRONIC TESTERS AND TOOLS

SOCKET TESTERS

- Very useful for electrical garages, Inspection Stations, towbars installators and agricultural machinery garages. Useful too for DIY.
- Allows testing of correct electrical connection after installation.

LH9150

7 pole 12V DIN/ISO 1724



12V

LH9157

13 pole 12V DIN/ISO 11446 WITH SIMULATION



LH9152

7 pole 24V (24N) - DIN/ISO 1185



LH9153

7 pole 24V (24S) - DIN/ISO 3731



24V

LH9155/A

ADAPTER 15 to 2x7 pole 24V



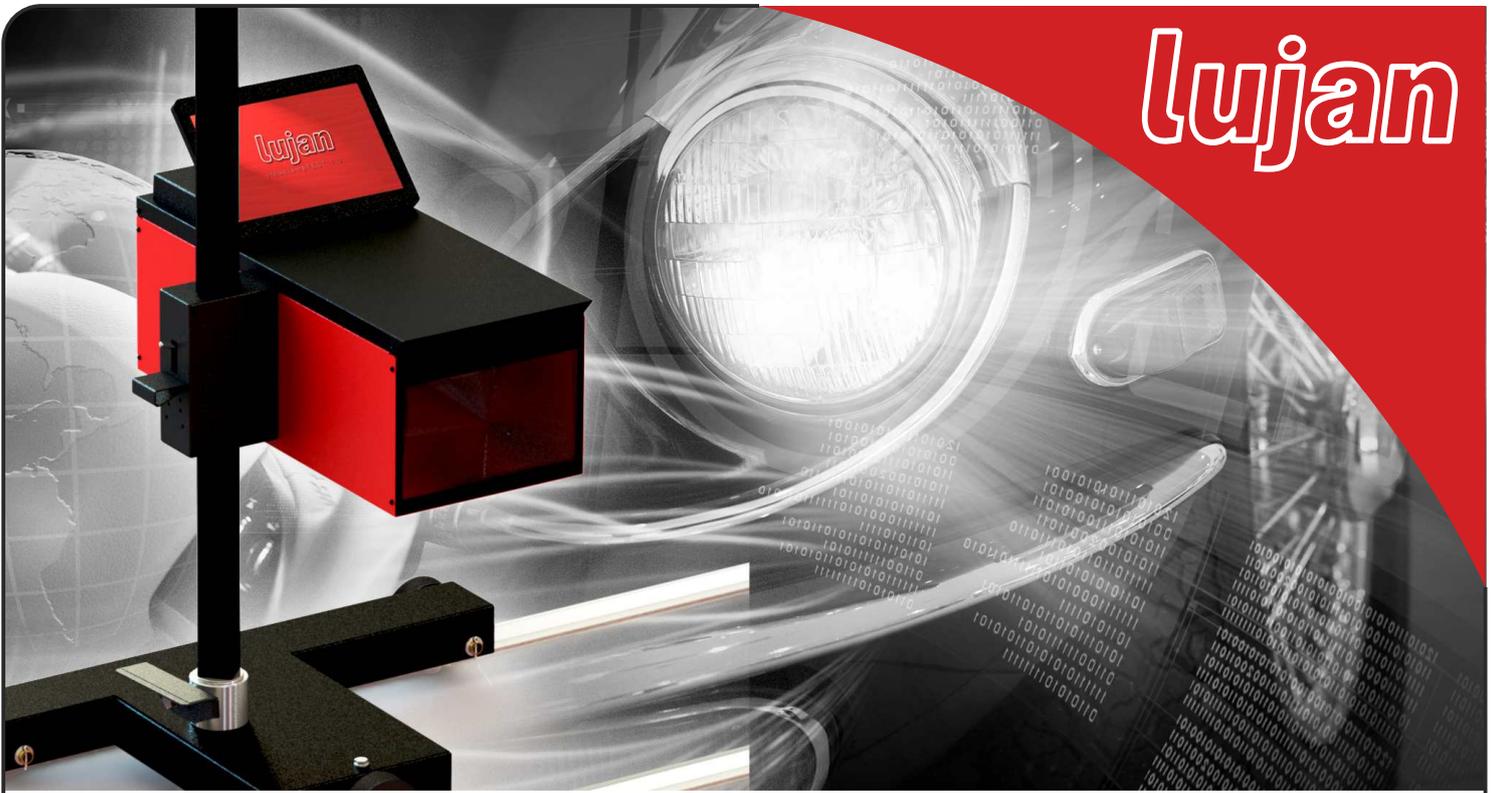
LH9157/A

ADAPTER 7 to 13 pole 12V



ADAPTER

lujan



CATALOGUE
2018 **HEADLAMP BEAM TESTER**
DIESEL OPACIMETER
INFRARED GAS ANALYSER
ELECTRONIC TESTERS



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