



IWA81R

Wheel alignment for passenger cars and LCVs, 8 CCD-INFRARED sensors

Main Features



Car
Suitable for car wheels



Li-Ion battery
High performance memory-free Li-Ion batteries. The battery can work for up to 24 hours.



Radio 2.4 Ghz Transmission
Radio transmission, 2,4 GHz, without homologation troubles



Car Databank
The data base preset for further updatings



Solid State Optical Sensors
MEMS solid optical sensors and inclinometers, stout and shock-proof

Description

Computerized wheel alignment system with 8 infrared CCD sensor heads for total check of vehicle geometry (passenger cars and LCVs). Equipped with low-latency multichannel radio transmission system in wireless version on 2,4GHz industrial radio frequency, ready-to-use system (set up not needed). Wheel alignment based on Windows® operating system, software compatible with database further updates.

Power supplied to the sensor heads by rechargeable Li-Ion batteries with up to 24 hours working charge. The power of infrared system allows performing wheel alignment also on SUVs or LCVs. Measurement sensors transmit information through advanced data transmission system BT2. Batteries are also rechargeable directly with measurement sensors mounted on clamps, no need to remove them.

It can be integrated by proper software and extensions for clamps and heads for alignment of heavy duty vehicles, either total or on one axle only (kit is available on demand). Equipment made in accordance with state-of-the-art standards. Solid state sensors for higher reliability and longer life, with low thermal drift. Shock-resistant silicium inclinometer. High integration level of components, so making the appliance light and solid at the same time. Local keyboard on each sensor. Full optional version to operate on any kind of vehicles and wheels, both on the ground and on alignment lift.

Features

- Radio transmission, 2,4 GHz, without homologation troubles;
- High performance memory-free Li-Ion batteries;
- High distance transmission through advanced data transmission system BT2;
- Toe angle view $> \pm 24^\circ$;
- Steering angle measuring without using electronic turn-plates;
- Angle measuring resolution $0,01^\circ$;
- ROC measurement possible either with wheel free or at ground;
- Simultaneous reading of Caster, Camber and Toe;
- Measures comparison on display;
- Measuring procedure with variation of vehicle setting;
- Toe curve measurement according to VAG specs;
- "spoiler" program with inclined sensor heads
- Interactive HELP system to guide the operator;
- Diagnostic system with constant control of sensors calibration
- IR sensors equipped with DSP micro-processor with independent calibration (weight = 2,65 kg.);
- MEMS solid optical sensors and inclinometers, stout and shock-proof;
- Sensors automatic shutdown system;
- Equipped with 4 cables for sensors battery charge and feeding system; radio transceiver on industrial base 2,4 Ghz; CD software GIULIANO INDUSTRIAL S.p.A. IWA81R (included licence of use) and Data Bank at your choice

Standard Features

Measuring System	CCD Infrared
Number of sensor CCD	8
Toe measuring range	$> \pm 24^\circ$
Camber measuring range	$> \pm 10^\circ$
Caster measuring range	$> \pm 20^\circ$
Power supply	230V/50-60Hz/1ph
Max absorbed power	500 W
Sensor weight (without clamp)	2.6 Kg
Data transmission	radio 2.4 GHz
PC	Pentium IV - 3.0 GHz
Operating System	Windows® XP



APEX (9627470)
Control unit on wheeled cabinet - LARGE VERSION.
PC features:

- Intel Celeron 2,6 Ghz;
- 512 MB Ram;
- 40 Gb HD;



DB-EUR (9627440)
Software update and vehicle data base - EUROPE
• USB Ink-jet colour printer;
• Extended key-board;
• Mouse;
• Windows®...



DB-ASI (9630673)
Software update and vehicle data base - ASIA/AUSTRALIA



SIMPLEX (9627471)
Control unit on wheeled cabinet - COMPACT VERSION.
PC features:

- Intel Celeron 2,6 Ghz;
- 512 MB Ram;



DB-USA (9627441)
Software update and vehicle data base - USA
• 19" screen;
• USB Ink-jet colour printer;
• Extended...



DBA (9627441)
Autodata Data Base



SIMPLEX-VAN (9628473)
IWA81R Simplex wheeled cabinet



APEX-VAN (9628472)
IWA81R Apex wheeled cabinet



BR-LOCK (9621552)
Brake pedal lock



ST-LOCK (9627472)
Steering lock



QUAD-CLAMP (9628939)
Kit of 4 clamps 12"-24" with 4 grip points, for IWA81R sensor heads, with hook and 16 feeler rods L=45mm.



DB-TRUCK (9634461)
IWA81R software update for alignment of heavy duty vehicles



IWA-TRUCK (9639082)
Truck and bus upgrading kit.
2 measuring heads for truck - 4 feeler rods for truck tyres, L=120mm.



LCV-GRIP (9629030)
Kit of 16 feeler rods for clamping LCVs wheels.
To be matched to 9628939.



TRI-CLAMP (9628432)
Kit of 4 NO-ROC clamps with 3 grip points, Measuring range: 10"-21", including 12 feeler rods L=58 mm.



TRI-TRUCK (9630648)
Kit of accessories for 3 grip clamps for total alignment of Heavy Duty vehicles.
To be matched to 9628432.



TRI-EXT (9627418)
Kit of 12 extensions for NO-ROC clamps extending range up to 25" (max. wheel diameter = 803 mm.).
To be matched to 9628432.



TRI-S (9627419)
Kit of 12 short feeler rods for NO-ROC clamps.
To be matched to 9628432.



TRI-L (9627420)
Kit of 12 long feeler rods for NO-ROC clamps.
To be matched to 9628432.

TRI-C (9627421)
Kit of 12 shaped feeler rods for NO-ROC clamps.
To be matched to



x4

TRI-E (9635955)
Kit of 12 shaped feeler rods for arched spokes rims, valid for NO-ROC clamps.
To be matched with 9628432.



x4

TRI-XL (9627422)
Kit of 12 extensions for feeler rods L=58mm., for NO-ROC clamps.
To be matched to 9628432.



x20

TRI-SPECIAL (9627423)
Kit of 20 grippers for NO-ROC clamps, including side holes measuring gauge, for use on Mercedes-BMW rims with 5 holes.
To be matched to 9628432.



TRI-SMART (9627424)
Kit of 4 adaptors for NO-ROC clamps, for use on Mercedes-Smart rims.
To be matched to 9628432.



TRI-P (9627425)
Kit of 8 bushes for NO-ROC clamps, for use on Porsche rims.
To be matched to 9628432.



TPC (9627409)
Kit of 2 front turntables, 50mm. h. Max. capacity: 1200 kg. (axle). Dimensions: 380x380x50h mm.



TPV (9627410)
Kit of 2 front turntables, 40mm. h. Max. capacity: 2000 kg. (axle). Dimensions: 355x355x40h mm.



TPT (9630647)
Kit of 2 front turntables, 50mm. h. Max. capacity: 3500 kg. (axle). Dimensions 460x454x50h mm.



IWA-SET (9627407)
Sensors calibration bar

Scan QR code to go to product web page



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