



YANTAI HUAHAN



专心/专注/专业

烟台 **華涵** 汽车设备有限公司

YANTAI HUAHAN AUTOMOTIVE EQUIPMENT CO.,LTD.

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華涵

烟台华涵汽车设备有限公司
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INTRODUCTION 简介

烟台华涵汽车设备有限公司是专业从事研制、生产、销售汽车检测、保修设备的综合性企业。

公司主要经营高品质的HHEQUIP及ACTORN系列汽车检测设备，产品主要包括：燃油、机油、自动变速箱油压表，高性能汽车专业用万用表、示波器，各种点火正时灯，手动真空泵，放电式和非放电式电瓶测试仪，汽缸压力表，ABS、助力转向压力表，真空/压力表，数显轮胎气压计等。“专业、创新、求实、诚信”是我们的服务宗旨，无论在哪里看到HHEQUIP、ACTORN这两个标志，都预示着您将会享有最优品质、最优价格、最具使用价值的产品、最完善的售后服务。为我们的客户提供最新式，最简单的汽车测试设备，帮助汽车专业技术工程师和DIY用户熟悉和驾驭不断更新的汽车维修技术的我们的目标。

我们将以更大的技术力量和更加优秀的产品品质服务于广大用户。

Yantai Huahan Automotive Equipments Co.,Ltd.is a comprehensive company which specializes in research,manufacturing and sales of auto testing equipments and maintenance.

The company is mainly engaged in high quality HHEQUIP and ACTORN series auto testing facility,including:fuel,oil,transmissin pressure tester,diagroscopic multimeter,oscilloscope,timing light,Vacuum pump,battery tester,compression tester,vacuum/pressure gauge,digital tire pressure gauge.“Profession,Innovation,Factualism,Credit”is our service object.Wherever you see HHEQUIP or ACTORN,it indicates that you will be able to enjoy the most superior quality,the most superior price,the most valuable products and the most servic.We will provide the updated and easily auto test equipment,help auto engineers and DIY customers to be familiar with the automobile service technology.We will also unceasingly renew auto maintenance.

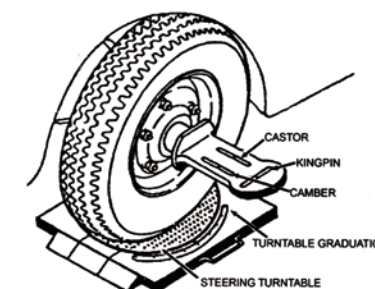
We will serve all customers with more fomid able technical force and more outstanding product quality.



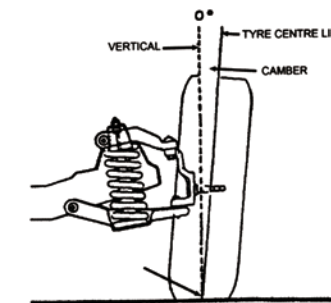
MD 9901 汽车前轮倾角定位仪 Camber Castor & King-pin Gauge

- Robust magnetic gauge mounts onto wheel/hub for quick accurate measurement of camber,castor angle,and kingpin inclination.
- Camber gauge with fixed graduation from +5 to -5.
- Adjustable caster gauge graduated +11 to -3.
- Kingpin gauge graduated from 0 to 14 left to right.
- Only suitable for vehicles fitted with steel wheels.
- To be used in conjunction with steering turntables and rear wheel level plates.
- Magnetic Plate $\varnothing 85\text{mm}$.
- Supplied in tough composite carry-case.

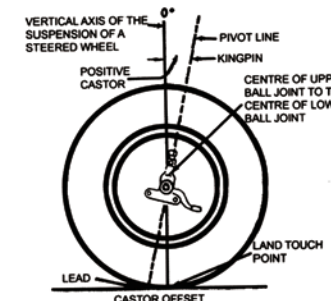
MODEL NO.	WEIGHT(KG)	L×W×H (mm)
MD9901	1.75	255×220×93
MD9902	1.30	1250×60×40



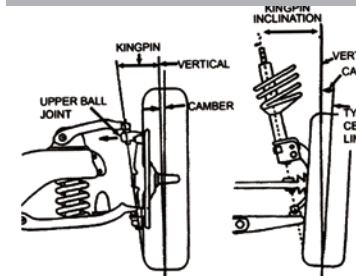
INSTRUCTIONS



MEASURING CAMBER ANGLE



MEASURING CASTOR ANGLE



MEASURING KINGPIN INCLINATION



MD9902 汽车前轮前束尺 Ton-in Gauge

- 测量范围：1000mm-2100mm
- 精度：0.1mm

MODEL4165
数字式转速/提前正时灯
Digital Advance/Tach Tining Light

- 集转速和点火提前测试于一体、使用更方便。
- RPM测试范围0-9999。
- 耐高温屏蔽干扰信号的金属感应夹。
- Measures advance in tenths of a degree resolution
- Measures RPM from 0-9999
- Large,easy to read,bright dight digital display
- Metal inductive pick up won ' t melt near exhaust manifolds



MODEL 7504
点火正时灯
Inductive Timing Light

- 全部采用金属感应夹，防止高温融化及阻止干扰信号。
- 高亮度、持久耐用的线性疝气灯管。
- 优化的电路设计提供可靠的长寿命。
- 可工作于所有的12V汽油发动机。
- All metal inductive pick-up resists melt down in close proximty of exhaust manifold
- Broght flash cleary illuminates timing marks
- Solid state circuitry for reliability and long life
- Work on all domestic and foreign 12-volt gasoline engines
- Heavy duty leads with color coded insulated battery clamps

DA-3100D(Model 231)
汽柴油两用多功能点火正时灯
Diesel & Petrol Digital Timing Tester

- Easily operates on most 12v and 24v diesel engines and 12v petrol engines
 - Diesel piezo clamp fits for 6mm-10mm(1/4"-3/8") of injector pipes.
 - Excellent performance at all speeds through maximum 8000 rpm petrol or 2000 rpm diesel.
 - Bright bulb provides concentrated light for high visibility of timing mark.
 - Led diagnostic indicator shows accurate engine rpm , dwell angle , volt and advance degree.
- Tach : 200-9990PM
Dwell : 0-99.9%
Volt : 0-30V
Advance: 0-60°

MODEL NO.	WEIGHT(KG)	L×W×H(mm)
4165	0.63	285×215×85
7504	1.00	290×250×100
DA-3100D	1.00	340×240×80



MD 2535
全车系燃油压力测试仪
Master fuel pressure test kit

This comprehensive professional kit will enable technicians to quickly diagnose and locate malfunctioning fuel system components on today 's gasoline engines,including fuel filter,fuel injectors,presure regulator,fuel lines and fuel pumps without removal from vehicle,Coverage includes adapters for PFI,TBI,CIS CISE,and K-Jetronic type systems on Domestic,European and Asian applications.



MD 2533
全车系燃油/机油压力测试仪
Fuel/Oil Pressure Tester Kit

安全测试汽车燃油压力系统

- 3-1/2高精度防震仪表。
- 易读的0-100PSI刻度。
- 压力释放阀、便于安全清洁的测试。
- 标配多种接头可测试多种车型。
- 可测试机油压力，连接方便。



MD 2530
燃油/机油压力测试仪
Fuel/Oil Pressure Tester Kit

MD 2531
燃油/机油压力测试仪
Fuel/Oil Pressure Tester Kit



MODEL NO.	WEIGHT(KG)	L×W×H(mm)
2535	6.20	395×345×140
2533	4.30	395×345×103
2530	1.81	368×238×80
2531	0.78	295×155×55

MD 2501
手动真空泵和单人操作液压制动组件
Vacuum Pump & Brake Bleed kit

- 实心黄铜缸、缸头和活塞
- 高精度防震仪表（0—30英寸，0—760毫米）
- 可更换的O环缸头垫片和活塞环
- 耐高压铸模式手提箱
- Solid brass cylinder;cylinder head and piston
- Vacuum release valve
- Bronze phosphorus bourdon tube gauge (0-30 inches,0-760mm)
- Replaceable O-ring head gasket and piston ring (kit included)



MD 2500
手动真空泵组件
Vacuum Pump

MODEL NO.	WEIGHT(KG)	L×W×H(mm)
2501	1.53	368×235×80
2500	0.73	310×210×40
7803	0.25	260×120×38
7805	0.64	295×155×55
7806	0.98	255×220×93

MD7806/MD7803/MD7805
真空&压力测试仪表
Vacuum & Pressure Tester Kit

- 真空控制系统功能
- 进气歧气管和盖垫圈、活塞环、阀门、真空管内的泄漏

调整化油器和点火正时，以达到燃油的最大使用率。易读，0—30英寸汞柱，0—15psi及公制刻度。配有胶管和接头。可测：



MD7806



MD7803



MD7805

CT 100(VSE206)
汽缸压力测试组件
Compression Test Kit

A professional mechanic' s complete test kit

- Extremely accurate bronze phosphorus bourdon tube gauge
- Quick disconnect
- Pressure release valve for quick re-checks
- All chrome adapters (10mm,12mm,14mm,14mm long reach,18mm, and 18mm long reach)
- Handy,high-impact plastic carrying case
- Comes with complete repair kit (case included)
- Cylinder compression
- Worn piston rings
- Blown head gaskets
- Compression 0-300 psi, 0-2100 kpa



MD 2505
气缸压力测试组件
Compression Test Kit

- 2—1/2英寸高精度防震仪表
- 精制接头（10mm和12mm、14mm、18mm加长接头）
- 气缸压缩比
- 压缩比……0—300psi
0—2100kpa

MODEL NO.	WEIGHT(KG)	L×W×H(mm)
CT-100	1.60	368×235×80
2506	1.45	368×235×80
2505	1.53	368×235×80

MD 2506
汽缸压力测试组件
Compression Test Kit

专业人士的完整测试组件

- 2—1/2英寸高精度防震仪表
- 便于快速重新检查的放气阀
- 手提耐压手提箱
- 精制接头（14mm、18mm、12mm和10mm）
- 有完备的维修组件
- 气缸压缩比
- 气缸头垫
- 磨损活塞环
- 压缩比……0—300psi
0—2100kpa



CLD 200M
气缸漏气量测量仪
Cylinder Leakage Tester

- 快速而准确的诊断发动机的压力损失
- 适用于汽油发动机
- 准确定位磨损的活塞，有缺陷的气门
- 有滑痕的气缸体、气缸盖垫及活塞环
- 配10mm、12mm、14mm、18mm全套接头

Quickly locates worn or cracked rings, defective intake or exhaust valves, scored or cracked cylinders, leaky head gaskets, worn or stripped spark plug bushings. Heavy-duty gauges. Extra-long high-pressure hose.

Precision regulator. Quick-disconnect connectors. 10mm, 12mm, 14mm and 18mm spark plug adapter included



MD7826(PVC包装/盒装)
气缸压力测试组件
Compression Test Kit



MD7825
气缸压力测试组件
Compression Test Kit



MD7828
气缸压力测试组件
Compression Test Kit

- 2-1/2英寸高精密防震仪表
- 精制接头（10mm和12mm、14mm、18mm加长接头）
- 气缸压缩比
- 压缩比……0—300psi
0—2100kpa

MODEL NO.	WEIGHT(KG)	L×W×H(mm)
CLD200M	1.44	255×220×93
7827	0.45	260×120×38
7828	0.88	295×155×55
7829	0.98	295×155×55

400-0821
气缸压力表蝶形加长杆
Butterfly Adapter



400-0822
气缸压力表锥形加长杆
Taper Type Adapter



MODEL NO.	WEIGHT(KG)	L×W×H(mm)
7825	0.30	260×120×38
7826 (盒)	0.57	295×155×55
7826(PVC)	0.30	260×120×38
400-0821	0.16	210×20×20
400-0822	1.10	235×230×63
9803	2.00	390×300×85
9816	4.35	350×230×90

MD 9816
柴油车汽缸压力表
Diesel Compression Tester Set

- 双刻度公英制易读的仪表盘
- 高精密专业防震仪表0—700Kg/cm²，0—1000PSI
- 快速连接器，方便连接各个接头，操作简单
- 配全系重型接头
- 专业手提外箱

Contains compression tester and an assortment of adapters necessary to test a wide range of vehicles, trucks and heavy duty equipment.

MD7829
气缸压力测试组件
Compression Test Kit



MD7827
气缸压力测试组件
Compression Test Kit



MD 9803
柴油车汽缸压力表
Diesel Compression Tester Set



MD 3036
机油/自动变速箱压力表
Transmission/Engine Oil Pressure Tester

The Md3036 professional kit can be used for domestic and import applications.High and low pressure gauges make this kit useful for both transmission and engine work. Kit comes complete with adapter for most applications,Designed to be used for both static and on road testing.

- Large 3-1/2 " gauges feature a chrome bezel and rugged protective outer boot
- Low pressure gauge reads 0-100 psi and 0-700 kpa
- High pressure gauge reads 0-400 psi and 0-2800 kpa
- Both gauges include rear hook to allow gauge to be hung conveniently out of the way
- Gauges and hose assembly incorporate quick couplers for easy disconnect
- Kit includes 13 adapters
- Detailed instruction manual
- Blow molded hard case with removable lid



MD3033
机油/自动变速箱压力表
Oil/Transmission Pressure Tester

- 测试范围0-2800Kpa/0-400Psi
- 测试范围0-700Kpa/0-100Psi
- 公英制双刻度高精度防震仪表
- 配有所有车型接头
- 160cm超长高压测试软管
- Scales read 0-2800kpa/0-400PSI
- Scales read 0-700kpa/0-100PSI
- Both English and metric scales
- Kit includes adapters of all popular applications
- Extra long high-pressure 160cm test hose



MD 3023
机油/自动变速箱压力表
Oil/Transmission Pressure Tester

- 3-1/2英寸高精度防震仪表
- 测试范围0-2800Kpa/0-400Psi
- 公制、英制双刻度表盘
- 配有所有车型接头
- 160cm超长高压测试软管



MD3024
机油/自动变速箱压力表
Oil/Transmission Pressure Tester

- 3-1/2英寸高精度防震仪表
- 测试范围0-2800Kpa/0-400Psi
- 公制、英制双刻度表盘
- 配有所有车型接头
- 160cm超长高压测试软管

MD 3025
机油压力表
Oil Pressure Tester

- Dual 2-1/2 gauge
- Scales read 0-700kpa/0-100PSI
- Both English and metric scales
- Kit includes adapters of all popular applications
- Extra long high-pressure 100cm test hose

MODEL NO.	WEIGHT(KG)	L×W×H(mm)
3036	1.95	368×235×80
3023	1.73	368×235×80
3025	1.24	368×235×80

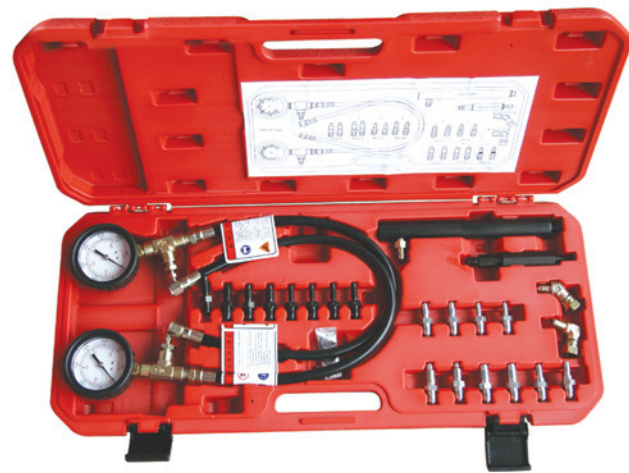


MD 3026
机油压力表
Oil Pressure Tester

- 2-1/2英寸高精度防震仪表
- 测试范围0-700Kpa/0-100Psi
- 公制、英制双刻度表盘
- 配有所有车型接头
- 100cm高压测试软管

MODEL NO.	WEIGHT(KG)	L×W×H(mm)
3033	1.83	368×235×80
3024	0.94	295×155×55
3026	0.76	295×155×55





MODEL 6106 ABS 刹车制动力油压检测仪 ABS Brake Pressure Tester Kit

- 双表头双压力单位刻度设计
- 0-3000PSI 0-200kg/cm²
- 包括全部车系接头22件
- 坚固的ABS手提外箱

Feature two 3000-psi gauge assemblies. Dual scale dial - standard scale 0-3000 psi and metric scale 0-200kg/cm². 4500 psi rated pressure house assembly. Include 22-piece adapter set. Includes high impact blow-molded carrying case & reference chart.

MD 6100 废气背压表 Back Pressure Tester

- 快速鉴别被阻塞的三元催化器
- 通用的氧传感器端口接头无需打孔
- 0-15PSI 量程, 3-1/2"表盘
- 坚固耐用的仪表盘

- Enables technician to test exhaust back pressure thru oxygen sensor.
- Oxygen sensor adapter includes m12 & 18thread.
- Special gauge has two multi-colored bands-idle and 2500RPM, with pressures shown in PSI and Kpa.
- Hose is 6feet, enough length for the Technician to test from the driver's seat.



MD9906 汽车雨刷臂专业拆卸工具 8PC Wiper ARM Removal Set

- 雨刷器维修专业的必备工具
- 适用于所有类型的汽车
- 操作简单方便
- 坚固耐用的仪表箱

- Suitable for the fast and simple removal of stubborn, corrode or awkwardly positioned wiper arms.
- Prevents damage to surrounding body work and glass.
- Ideal for most makes and models of vehicle although especially suitable for Audi, BMW, Ford, Mercedes, Opel, Peugeot, Seat, Skoda, Vauxhall, Volkswagen.
- Kit includes: Slide Hammer, Thrust Screw Adaptor, 6 Low Profile puller attachments.



G 3720 全车系冷却系统测漏仪 Universal Radiator Pressure Tester Kit

To test cooling system for leaks.

0. Temperature
1. Pressure testing pump with gauge
2. GM (cadillac)
3. Benz, GM (buick), jeep
4. Peugeot, Subaru, Chrysler, Acura, GM (Nova, Spectrum, Sprint), Mitsubishi, Nissan, Mazda, Toyota, Infiniti, GEO, Suzuki, Isuzu
5. Honda, Toyota, Suzuki, Mitsubishi, Chrysler, Acura
6. Benz (ML-class), GM (achiva, skylark, grand am-1992~2002)
7. Volvo, Saab, Sterling, Citron, Renault, Fiat, Alfa, Jeep
8. VW (Vento, T4, Passat-1996, Golt, Beetle, Sharan)
9. Audi (A4, A5, A6), BMW 345, VW (Passat-1997~2002)
10. BMW
11. Audi, VW
12. Ford, International, Land Rover, Opel, Jaguar
13. Benz (C-class, E-class, S-class)

MD6102 汽车液压动力转向系统压力检测仪

- 0-200KG/CM 高压精密仪表
- 检测液压泵工作状态, 根据压力进行分析故障原因
- 配多车型专业接头及附件
- 专业耐用的手提外箱

MODEL NO.	WEIGHT(KG)	L×W×H (mm)
6102	2.50	360×230×65
6106	3.00	600×265×60
9906	2.83	368×235×80

MD730 冷却系统测漏仪 Radiator Pressure Tester

- 0-30PSI 彩色易读表盘
- 适用于所有汽油车冷却系统
- 带有锁止功能的转接头
- 带有排气功能的往复活塞, 运行轻便自如

MODEL NO.	WEIGHT(KG)	L×W×H(mm)
6100	0.78	295×155×55
3720	4.00	430×400×100
730	2.00	368×235×80



MD7706
发动机综合分析仪
Engine Analyzer

对发动机的点火、电压、电阻、电流、触点闭合角、发动机转速、点火正时、气缸压力、管路真空度、电路连续性及电瓶容量等做综合测试

- MD7504点火正时灯
- MD7847多功能电笔
- MD7827气缸压力表
- MD7803真空/压力表
- MD3000汽车专用数字万用表

Designed for testing engine's ignition timing,voltage, ohmd,amps,dwell,Engine RPM duty cycle,vacuum,pressure, component,audible continuity,Temperature



MD3000
数字式汽车万用表
Diagnostic Multimeter

最实用的全量程万用表，可完整测试电控或旧式车辆。

- 自动量程
- 3-1 / 2位8" 大显示屏
- 超量程保护

Perfoms complete tune-up and trouble shooting tests on computercontrolled,as well as older vehicles.Includes automotive tests such as tach and dwell.Tests fuel injectors,sensors,alternators,spark plug wires ignition and charging systems,battery condition and cranking voltage.

- 3-1/2 digit.8" high display
- Automatic power shut-off
- Detachable color coded leads with booted alligator clips
- Automativ reverse polarty indicator
- Overload protection on all ranges

CP7847
LED 多功能电笔
LED Circuit Tester

可测试火花线、12V汽车电瓶、4-13V电压手持测试 110/220AC、DC线路

Tests spark plug wires,12v car/truck batteries,4-13V variable DC voltage,household 110/220 AC,DC wire/circuit

- LED lights indicate voltage level.
- Piercing probe for in-circuit testing
- Easy-grip design for safe handling

MODEL NO.	WEIGHT(KG)	L×W×H (mm)
7706	4.00	480×400×110
3000	1.05	225×170×77
7874	0.08	247×95×30



MD 405
汽车防冻液冰点测试仪
Portable Refractometer (Battery And Coolant)



MD 696
CRDI 喷嘴专用工具
CRDI Injector Hole Washer Puller & Honing Tool



MD708
柴油机喷嘴拆卸工具
Injector Puller Set



MD723
柴油车喷嘴积碳清洁刷
CRDI Injector Hole Brusher



MODEL NO.	WEIGHT(KG)	L×W×H(mm)
405	0.45	215×85×58
696	0.63	300×30×16
708	3.00	255×220×93
723	0.24	220×17×17
617	0.53	128×100×65
649	0.94	105×95×95

MD617/649
机油滤清器万能扳手
Two Way Oil Filtre Wrench

- MD617适用于60-80mm
- MD649适用于80-110mm
- 正反两用快速拆卸
- 适用于所有类型机油滤清器

