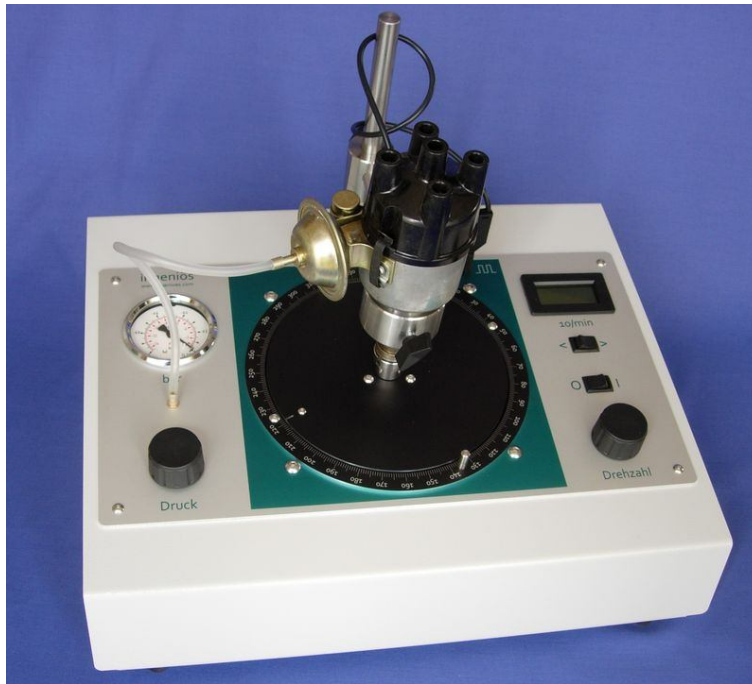


ZVP1 Distributor Test Bench



Objective:

This distributor tester helps you to sort out any trouble you have with the ignition system of your classic car.

No more fumbling, testing and guessing on the distributor while it is assembled to the engine of your car, no more doubts about the condition of your distributor. Just take out the distributor, put it on the tester and simply check all of its features step by step with high accuracy and reliable results.

And after you have checked and reconditioned the distributor and perhaps synchronized a multiple breaker system on the test bench, you just put the distributor on your engine again, set the initial timing and enjoy a smoothly running engine.

And if you tuned your engine, you can easily adapt the centrifugal advance to the desired curve by the help of the distributor tester. This is almost impossible to do when the distributor is mounted to the engine.

The distributor test bench **ZVP1** has been specially designed for the purpose of non professional application on distributors for 4 and 6 cylinder engines. If you are a professional or want to test distributors for 8 or 12 cylinder engines, maybe even

with multiple breaker contacts, you should take a look at our distributor tester **ZVP2**, which offers a drive motor with higher torque and some additional features that make it more suitable for professional application.

ZVP1 Features:

- compact distributor tester, table-top device
- robust steel case, powder coated in RAL7035 (light grey)
- front panel, scale ring and rotating disc manufactured from scratch-proof, oil and acid resistant anodized aluminium
- maintenance free and durable through latest technology
- power supply via car battery (12V) or power supply 001.142
- high-torque drive motor, max. torque 0,12 Nm (supply voltage 12V)
- variable speed control from 0 to 5000 rpm
- reversible direction of rotation
- integrated high precision electronic rev counter with high-contrast display
- manually operated vacuum chamber
- mechanical vacuum indicator
- adjustable scale ring with easy to read scale
- bright revolving ignition light, easy to read even in bright daylight
- adaptable to almost every distributor
- standard version:
 - suitable for testing breaker contact operated distributors
 - shaft adaptor for diameters 1 1/16" (26,9 mm), 30,0 mm, 33,0 mm
 - groove-type coupling, groove width 1/8" (3,125 mm)
- additional shaft-adaptors and couplings available (optional)
- distributors with inductive sensor, hall sensor, light barrier and ignition systems like e.g. 123IGNITION, POWERSPARK, IGNITOR (Pertronix) etc. can be tested with additional electronic adaptors (optional)
- for safety reasons the high voltage components of the ignition system are not being tested on this distributor tester

Range of functions:

- verification and setting of the dwell angle (for contact breaker distributors)
- synchronisation of multiple breaker contacts
- verification of the firing intervals
- verification of the cam profile
- verification of the play of the distributor shaft
- verification of the centrifugal timing
- verification of the vacuum advance
- condenser check

Extent of delivery (article ID 001.201):

- test bench for contact breaker operated distributors (table-top device for operation with 12VDC)
- power supply with connecting lead (article ID 001.142)
- distributor mounting bracket with shaft adaptor for diameters 1 1/16" (26,9 mm) / 30,0 mm / 33,0 mm
- groove-type coupling, groove width 1/8", groove offset 1/28" (article ID 001.063)
- test lead for breaker contact, banana jack 4 mm / alligator clip, length 300 mm (article ID 001.133)
- silicone hose for vacuum connection, internal diameter 4 mm, length 400 mm
- operating instructions

Accessories:

Additional couplings and electronic adaptors are offered in our onlineshop www.ingenioes-shop.com. Please contact us, if you need further information or special equipment.

Publications:

The distribution test bench has been tested by the editorial team of 'Oldtimer Markt', Germany's widest-circulation classic car magazine. You will find the test report in the 'Oldtimer Markt'-magazine, edition **September 2011 (Heft 9/2011)** on page 188.

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Please do not hesitate to contact us by email or phone if you need more information on our products. We are glad to help you with any of your requests!

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