

ELECTRONIC ACTUATOR TESTERS AND PROGRAMMERS



VTM
GROUP

**Useful in any garage
to help identify turbo faults**

- Has new functions that are not available in devices of other manufacturers.
- Can be successfully used in turbocharger repair services, as well as in car repair shops offering a wide range of repairs to determine the cause of turbocharger malfunctions.
- Works with all common types of actuators, and similar in principle of operation.



ELECTRONIC ACTUATORS TESTER

ATP-1000

Functions

- Testing electronic turbocharger actuators.
- Test DC motors 12V to 2A.
- Testing the boost solenoid used in pneumatic systems.
- Testing the position sensors of electronic and pneumatic actuators according to the protocol: PWM, ADC, SENT.
- Programming (adaptation) of SIEMENS electronic actuators.



Extra functions

- Device current protection of 2A for 3 sec.
- Automatic detection of DC motor polarity inside the actuator.
- Tooltip for color-coding the cable to the selected actuator type.
- Display of the position sensor readings as a percentage.
- Display of additional parameters of programmable HELLA REA actuators:
 - Firmware number.
 - Programmed angle value.

ELECTRONIC ACTUATORS PROGRAMMER

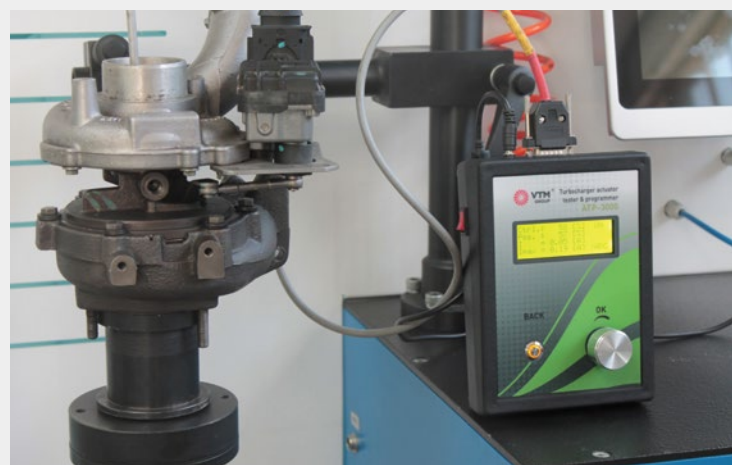
ATP-3000

Functions

- Testing electronic turbocharger actuators.
- Test DC motors 12V to 2A.
- Testing the boost solenoid used in pneumatic systems.
- Testing the position sensors of electronic and pneumatic actuators according to the protocol: PWM, ADC, SENT.
- Programming HELLA REA actuators:
 - Saving the actuator firmware file in the device memory (up to 99 pcs.).
 - Saving the actuator firmware files on a PC.
 - Loading firmware from the PC into the actuator by using device.
 - Option to copy settings between actuators.
 - Programming actuator angles.
- Programming (adaptation) of SIEMENS electronic actuators.



USB control of actuators
for operating in connection
with software of stands
GEOMET-2000, GEOMET-500,
TURBO BOOST TEST



**Required for any car service
to determine the cause of the
turbocharger malfunctioning!**

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Types of supported actuators

HELLA

6NW 008 091
6NW 008 412
6NW 009 206
6NW 009 228
6NW 009 420
6NW 009 483
6NW 009 543
6NW 009 550
6NW 009 660
6NW 010 099-01
6NW 010 099-02
6NW 010 099-03
6NW 010 099-05
6NW 010 099-07
6NW 010 099-08
6NW 010 099-21
6NW 010 430-00
6NW 010 430-01
6NW 010 430-03
6NW 010 430-04
6NW 010 430-12
6NW 010 430-16
6NW 010 430-22
6NW 010 430-27

6NW 010 430-35
6NW 010 430-37
6NW 010 430-44
6NW 010 430-47
6NW 010 430-56
6NW 010 430-57
6NW 011 132-09
6NW 011 132-62
6NW 011.934-02
6NW 934.803-05
6NW 012.619-20

MAHLE

All

SIEMENS

All

HITACHI

5304 970 0062
5304 988 0062

DENSO

780709-xxxx
780708-xxxx

17201-30100
17201-30101
17201-30110
17201-30160
17201-301xx

MITSUBISHI

49335-002xx
49335-004xx
49135-056xx
49135-057xx
49135-058xx
49477-01012
49477-01104
49477-01202
49477-01203
49477-01204
49490-93501

SONCEBOZ

5304 9xx 0065
5304 9xx 0069
5304 9xx 0073
5304 9xx 0115
5439 9xx 0061

5439 9xx 0062
5439 9xx 0063
5439 9xx 0064
5439 9xx 0110
5439 9xx 0111
5439 9xx 0112
5439 9xx 0113
5900 110 7019

Torque Motor

5900 110 7349
5900 110 7304

BorgWarner

5900 110 7382
5900 110 7267

Honeywell

835556-0062
842232-0039

Other

K6T55273
K6T60572

Cables for diagnostics

- Set of diagnostic cables for actuators — 12 pcs.
- Set of diagnostic cables for position sensors — 6 pcs.
- Cable set for uncommon turbines — 11 pcs.
- USB cable — 1 pc.



We make balancing easier

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