

# ELECTRONIC ACTUATOR TESTERS AND PROGRAMMERS



**VTM**  
GROUP

## We have prepared

- 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

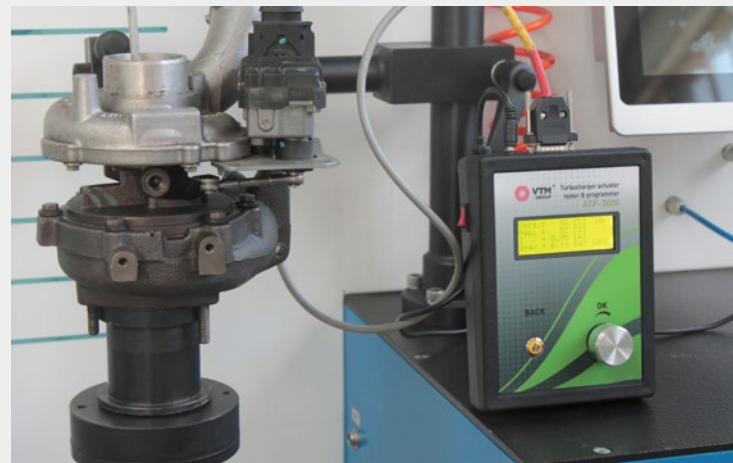
### ATP-3000

#### 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!**

+380 50 492 0330  
sales@vtm.group  
www.vtm.group





## 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**



VTM GROUP LTD  
65005, Odesa, Ukraine

+380 50 492 9007  
sales@vtm.group  
www.vtm.group

