



# CALIBRATION AND TEST EQUIPMENT: Recording Compression Testers

## MOTOMETER

*powered by solutions*



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#### **Car & Truck Service with MOTOMETER.**

Car/Truck Service is a matter of confidence. When returning a vehicle to the customer, it is important to provide positive proof that all checks have been made.

Whenever the question of engine condition comes up, the service industry all over the world relies on MOTOMETER.. For good reason, MOTOMETER has the benefit of know-how gathered over nearly 100 years.

Using the MOTOMETER recording compression testers the check and the documentation of the compression pressure of an engine is comfortable and safe. The hard-copy recording charts provide irrefutable information on engine condition and are easily understood by the average vehicle owner.

To be able to measure the compression pressure of Diesel engines, engine-specific adapters are needed, which have to be mounted between the engine and the recording compression tester.

You will find a data file which contains already more than 20,000 data records of available adapters at our homepage under: [www.motometer.de](http://www.motometer.de).

#### **MOTOMETER GmbH**

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## CALIBRATION AND TEST EQUIPMENT: Recording Compression Testers

### Recording compression testers with quick-connect couplings, for petrol engines

Measuring range	Part No.
3.5 - 17.5 bar with accessories*	623.000.1101
50.0 - 250.0 lbf/in <sup>2</sup> with access.*	623.000.1102
3.5 - 17.5 bar, without accessories	623.001.1101
Exchange unit 3.5 - 17.5 bar (without switchgrip, without accessories)	623.001.1103

Includes 1 pack of recording charts petrol

\* Pos. 1 + 2, 4 - 6, 8, 15



### Recording compression testers with quick-connect couplings, for diesel engines

Measuring range	Part No.
10 - 40 bar with pressure hose*	623.002.1101
150 - 570 lbf/in <sup>2</sup> with pressure hose*	623.002.1102
10 - 60 bar with pressure hose*	623.002.1103
150 - 850 lbf/in <sup>2</sup> with pressure hose*	623.002.1104
10 - 40 bar, exchange unit without pressure hose	623.002.1105
10 - 60 bar, exchange unit without pressure hose	623.002.1106
10 - 40 bar, exchange unit + pressure hose + Pos. 16	623.002.1107
10 - 60 bar, exchange unit + pressure hose + Pos. 16	623.002.1108

Includes 1 pack of recording charts diesel

\* Pos. 15 + 16

### MOTOMETER Recording Compression Testers with quick-connect couplings for petrol and diesel engines (set)

as set in case, consisting of:

- 1 Recording compression tester for petrol engine 3.5-17.5 bar
- 1 Recording compression tester for diesel engine 10-40 bar
- 1 Pressure hose
- 3 Extensions of 70 and 140 mm, angle 70°
- 1 Adapter for keeping available connecting adapters
- 2 Rubber cones with sockets
- 2 Packs of recording charts petrol/diesel

**Part. No.**

623.603.1101

same set, but recording compression tester for diesel engines 10 - 60 bar

**Part. No.**

623.603.1102

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- 1 Pressure hose**  
approx. 350 mm long  
Part No. 622.004.1001



### Extensions

- 2** approx. 70 mm long  
Part No. 622.004.1003
- 3** approx. 105 mm long  
Part No. 622.004.1002
- 4** approx. 140 mm long, with rubber cone,  
for spark plug apertures M 10 x 1 + M 12 x 1.25  
Part No. 622.004.1005
- 5** Angle 70°  
Part No. 622.004.1004

### Rubber cone with socket

- 6** 63° cone  $\varnothing$  17 mm  
Part No. 622.004.1007
- 7** 63° cone  $\varnothing$  21 mm  
Part No. 622.004.1013
- 8** 30° cone  $\varnothing$  21 mm  
Part No. 622.004.1006



### Threaded adapters for spark plugs

- 9** M14 x 1,25: conical seating with short coupling,  
approx. 134 mm long  
Part No. 622.010.4257
- 10** M12 x 1,25: flat seating, approx. 134 mm long  
Part No. 622.010.4258
- 11** M10 x 1: flat seating, approx. 134 mm long  
Part No. 622.010.4259
- 12** M14 x 1,25: conical seating with standard and long  
coupling, approx. 161 mm long  
Part No. 622.010.4271
- 13** M14 x 1,25: flat seating, approx. 134 mm long  
Part No. 622.010.4272
- 14** M18 x 1,5: conical seating, approx. 134 mm long  
Part No. 622.010.4277



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- 15 Storage case** (black) with insert  
Part No. 919.000.3540

**Adapters**

- 16** straight (with screw thread and check-valve)  
Part No. 622.004.1009

- 17** angled (with screw thread and check-valve)  
Part No. 622.004.1008

quick-connect coupling Part No. 622.010.5606



15



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# CALIBRATION AND TEST EQUIPMENT: Accessories for Recording Compression Testers

- 18 Switchgrip**  
can be retrofitted to all recording  
compression testers  
Part No. 622.003.1004



18

- 19 Check-valve**  
for accessories of recording compression  
testers  
Part No. 622.003.1003



19

- 20 Slide-in plate**  
red  
Part No. 539.201.1900



20

- 21 Window**  
for recording compression testers  
Part No. 543.210.0600



21

**Rubber cones**

- 22** 63° cone, ø 17 mm  
Part No. 530.710.0500
- 23** 63° cone, ø 21 mm  
Part No. 530.710.0400
- 24** 30° cone, ø 21 mm  
Part No. 530.710.0200



22

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24



25

**25 Recording charts (in packs of 100)**

Measuring range	Part No.
3,5 - 17,5 bar	513.412.4800
2,0 - 12,0 bar	513.412.4900
10,0 - 40,0 bar	513.412.5000
10,0 - 60,0 bar	513.412.5100
30,0 - 170,0 lbf/in <sup>2</sup>	513.412.5200
50,0 - 250,0 lbf/in <sup>2</sup>	513.412.5300
150,0 - 570,0 lbf/in <sup>2</sup>	513.412.5400
150,0 - 850,0 lbf/in <sup>2</sup>	513.412.5500

Subject to modifications. 10/2011

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