

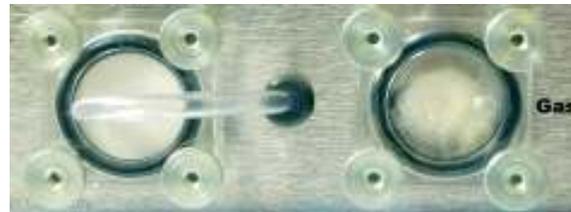
maintenance & service:

maintenance & filter change:

The filter on the front side must be changed routinely.

1. filter cotton replace right:

- screwnut unscrew
 - filtercap remove
 - cotton replace, the new synthetic cotton, place loosely in the O-ring.
 - assembly filtercover, screw on hand nuts crosswise without hard strength
- Attention: use only wadding no filterpaper on the right side.**



left fiberglassfilterpaper right synt. cotton

2. filter paper replace left:

- screwnut unscrew
 - filtercap and O-ring remove
 - paper replace, place only one (1) paper under the O-ring.
 - assembly O-ring and cover, screw on hand nuts without hard strength
- Attention: use only one (1), no double, special gf-filterpaper.**
- check the impermeableness of the o-rings (correct placement)
 - wrong placed o-rings can distort the measurement!

service:

upkeep & service & spareparts:

The catalytic analyzers from WT-serie Typ: WT201, WT220, WT202, WT230) must be serviced all 60 to 80 operation hours to guarantee an accurate measurement and function.

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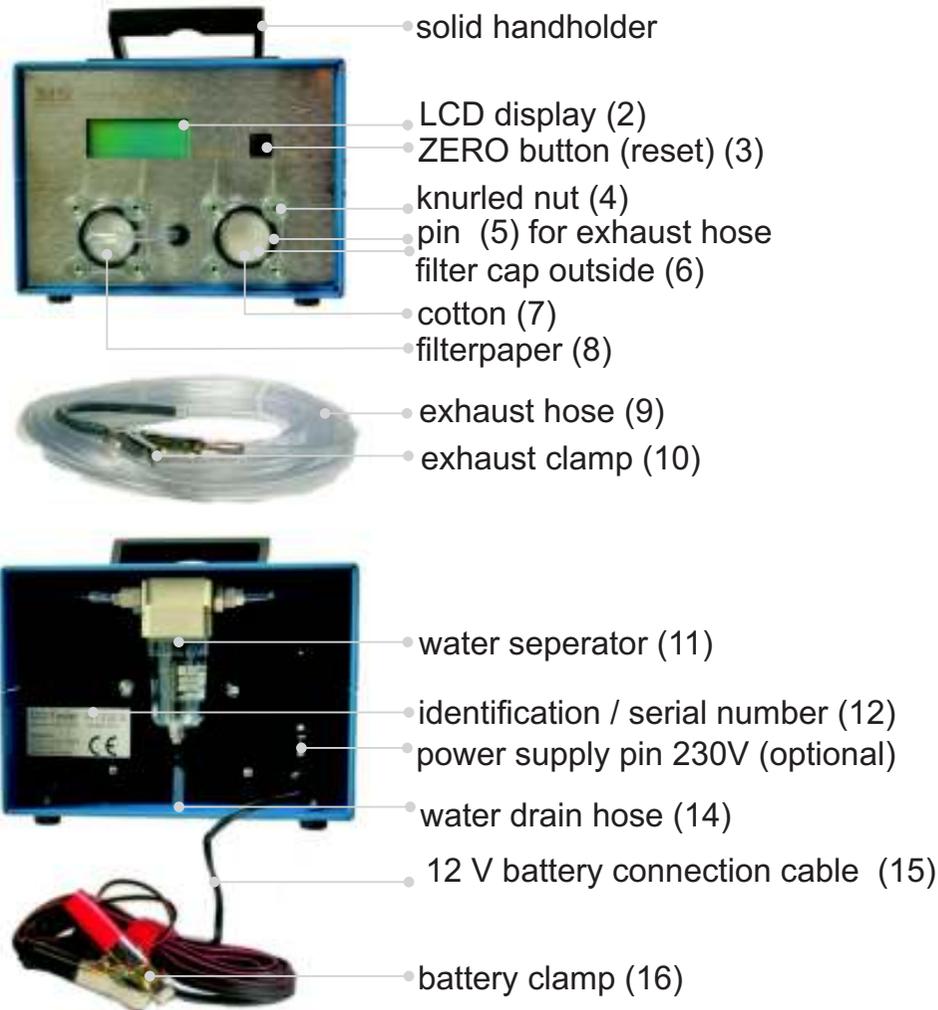
instruction manual: CO-Tester WT202



specifications:

Carbondioxide (CO) Analyzer
operating voltage: 12 Volt (automotive battery)
measurement range: 0 - 10 %
indication range: up to 19,9 %
resolution petrol engines: 0,1 % (resolution gas engines 0,01 %)
warm up time: 1 minute
dimensions: 145x200x200 mm
weight: ca. 2,8 KG

The analyzer:



spareparts & equipment

part. no.	description
MWT-201-Filter	filterpaper (GF) (10 pcs)
MWT-201-Watte	synthetic cotton
MWT-710016	filtercap outside (pcs)
MWT-710017	filtercap inside (pcs)
MWT-710018	exhaust hose, 6 meter length
MWT-710019	power suply 230 V / 12V
MWT-710020	knurled nut (four (4) pcs)

user instruction:

CO tester WT202 is designed for the measurement of the carbon monoxide (CO) in the exhaust gas of CI- engines in cars, trucks, motorcycles and forklifts.

security instructions:

Optimum performance with the Co-tester is possible, if you exact following the user manual!

measurement:

Attention: The WT202 CO-tester is a drying area instrument.

1. Put the exhaust tube (9) on the connecting pin (5) on the right filter cover (6). Labeled: "GAS".
2. Clamp the battery connection cable (15) to the vehicle battery. The red clamp to positive pole (+), the black clamp to negative pole (-).
3. The hole of the water drain hose (14) must be open at the bottom. With clogged drain the measurement will not work!
4. Switch-on! After one (1) minute the tester will be ready to test.
5. Press the ZERO button (3) until the display value is 0.00 or - 0.00.
- 6 Clamp the exhausthose (10) in the end of emission pipe.
7. After 5 to 10 seconds (Depending on the device type and the length of the hose) the measured value is displayed.
8. let the tester operate approx. 15 secondslonger. So that agressive exhaust gases are pumped out of the sensor system.

error location:

Errorr:

1. on the LCD display nothing at all, the pump are not running
2. zero adjustment is not possible
3. no CO display measurement

possible cause:

- Connection cables are confused or broken
 - revision necessary (approx. 80 h)
 - condensation in the tube
 - hose kinked
 - filter dirty, or clogged
 - pump is defect
 - gas sensor defect, revision need.
4. display constant 1.0