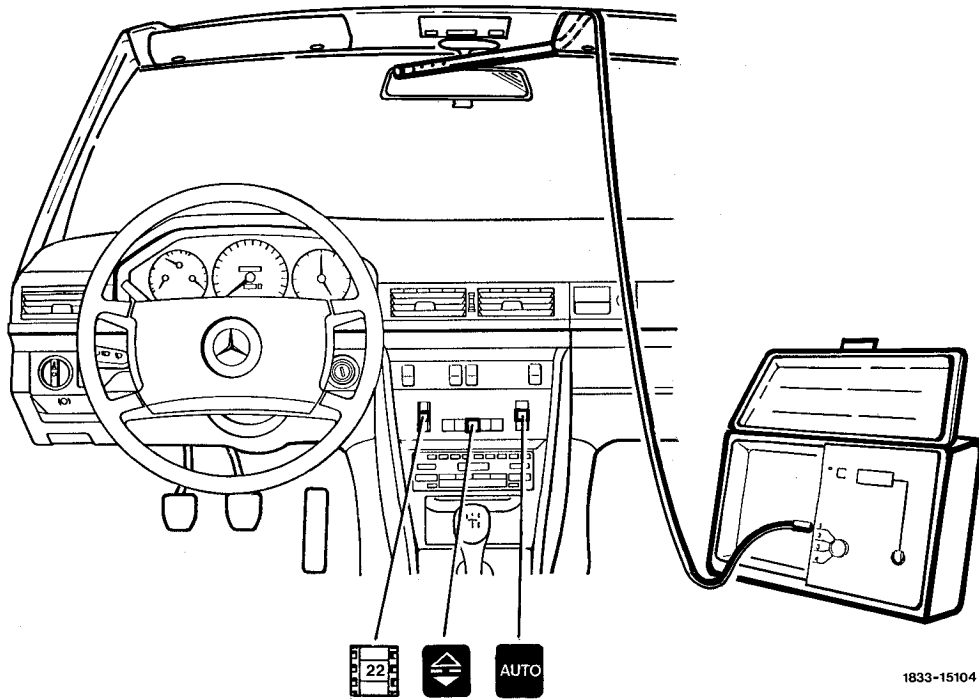





83-602 Checking regulating quality and heating output



- | | |
|-----------------------------|---|
| Test conditions | Observe items 1 to 4. |
| A. Regulating quality | Check, items 5 to 11:
While driving, after 10-15 minutes, nominal value $22 \pm 1^\circ\text{C}$, with selector wheel position 22 and function selections   |
| B. Heating output | Check, items 12 to 14:
With running engine approx. 2000/min after 5 minutes, nominal value above 55°C , with function selection  |

Conventional tools

Digital temperature measuring instrument with 4 measuring probes

Robbitemp 90020

Air temperature measuring probe 90023
(Cable length 4.5 m)

Supplier, e.g.:

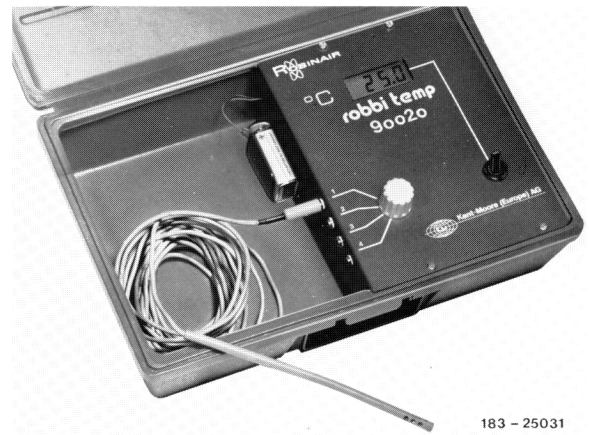
Switzerland: Kent-Moore (Europe) AG

P. O. Box, CH-6340 Baar

Germany: Kälte-Fischer

Postfach 266, Augsburg Str. 289 - 291

D-70327 Stuttgart



183 - 25031

Digital temperature measuring instrument with 4 measuring probes

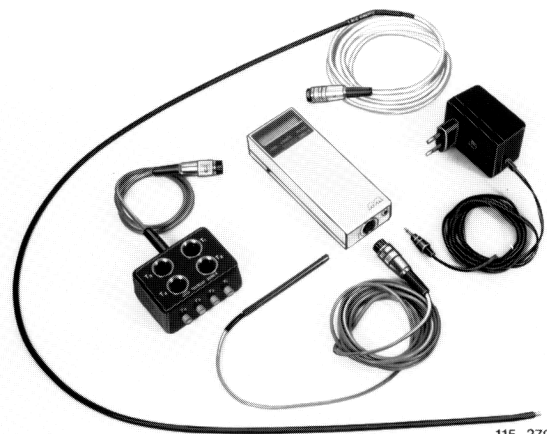
Therm 2263-2

4-fold measuring point switchover switch 2235-4

Air temperature measuring probe W 453-5
(Cable length 3 m)

Supplier, e.g.:

Germany: Ahlborn Meß- und Regelungstechnik
in der Eichenfeldstr. 1-3, D-83607 Holzkirchen



115-27973

Note

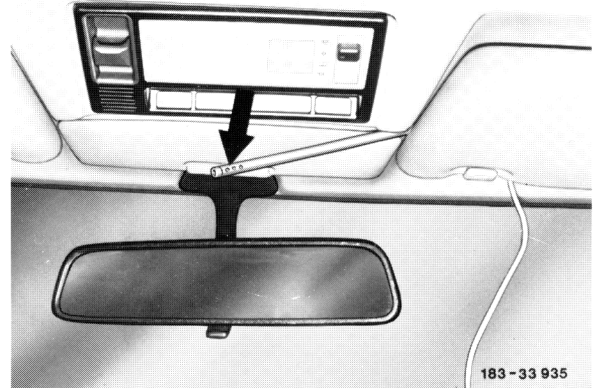
Do not carry out test in the workshop, but on the cool vehicle which has been allowed to stand in the open overnight. Interior temperature < 20°C.



Test conditions

- 1 Outside temperature < + 15°C.
- 2 Driving time up to the start of the measurements approx. 10 minutes. With outside temperatures < 0°C a longer test drive is required.
- 3 Windows and sliding roof closed.
- 4 **Do not allow** engine to run up to operating temperature beforehand.

A. Checking regulating quality

5 Attach measuring probe to sun visor (right, arrow) and connect to measuring instrument. Then switch on measuring instrument.



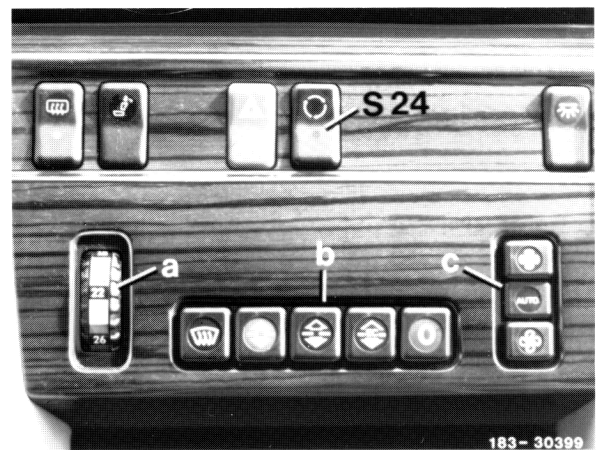
6 On the pushbutton switch (b) select the function  and on the blower switch (c) the function .

7 Switch off switch (S24, fresh air).

8 Close center nozzle.

9 Set temperature selector wheel (a) to 22.


10 Start engine and drive away immediately (approx. 50-60 km/h).



11 After approx. 10-15 minutes, read temperature on measuring instrument. Nominal value $22 \pm 1^\circ\text{C}$. If the temperature is not achieved, check heating output or test the system with the socket box, voltmeter and ohmmeter (see 83-604).

B. Checking heating output

12 Fit one measuring probe (arrow) each into the left and right defroster nozzles.

13 On the pushbutton switch, switch on the function .

14 Allow engine to run at operating temperature with approx. 2000/min for 5 minutes.
Nominal value: $> 55^{\circ}\text{C}$.

Note

If the temperature is not achieved, check function of circulating pump. If o.k., renew mono valve for trial, flush cooling system if required. If this does not help, replace heat exchanger.

