



- Compact and space saving
- Quick troubleshooting
- Developed by expert maintenance technicians

The heating line test unit enables quick control of heated analytic lines and the appropriate temperature controller without deinstallation. The battery-operated compact test unit is easy to use. It shows the functional condition of all heating circuit components by light indicators. Years of experience by our service technicians working in service assignments made a big influence in developing the heating line test unit. And we're putting that development to work for you!



Digital form at:  
[www.cgs-company.de/downloads/MDZ\\_E\\_D\\_HLT.pdf](http://www.cgs-company.de/downloads/MDZ_E_D_HLT.pdf)

### Technical data

- Power voltage: 9 V/DC
- Protection class: IP40
- Ambient temperature: 0 ... +40°C
- Measurements (HxWxD): 160 x 80 x 60 mm
- Weight: 250 g

### Delivery content

- Heating line test unit
- Cable 1
- Adapter cable 2
- Adapter cable 3
- Test plug Type A
- Spare bulb E10, 230 V / 3 W

### Application

#### Device-Selftest

Before each test we recommend to check the heating line test unit for its function. Therefore put the test plug into „Eingang“. Pushing the TEST-button every single LED has to light up.

#### Heating line test

- Pin assignment TYPE A (7-pol)
  - Put heating line directly into „Eingang“ or use extension line 1
  - Press TEST-button (red)
  - Read the test result
  - Switch over the L-PE / N-PE switch
  - Repeat the test
- Pin assignment TYPE P (CAN, 2 plugs)
  - Connect heating line via adapter line 2
  - Run measurement as written above



#### Temperature controller test

- Pin assignment TYPE A (7-pol)
  - Connect temperature controller output via connection line 1 to test unit „Ausgang“
  - The actual value of the temperature controller has to be approx. 20°C
  - Activate the heating of the controller
  - If function is correct the light indicator lights green

#### ATTENTION: SHORT INTERVALS ONLY DUE TO OVERHEATING

- Push TEST-button, Actual value at the controller > 200°C
- At a set point < 200°C the light has to switch off
- Excess temperature alarm at the temperature controller

- Pin assignment TYPE P (CAN, 2 plugs)
  - Connect the device's temperature controller output via connection line 1 and adapter line 3 with test unit
  - Run measurement as written above



### Order numbers / Spare parts

Article	Order no.:
• Heating line test unit HLT	1041386
• Cable 1; Extension Type A (please specify required length)	1030040
• Adapter cable 2; Type A-P	1028856
• Adapter cable 3; Type P-A	1029559
• Test plug for self control Type A	1041390
• Spare bulb E10, 230 V / 3 W	1013300