



# MPG Leak Test Device

## Testing Waste Product Pipes by the Pressure Drop Method

### Description

Using air to test for leaks is the quickest and most economical procedure for determining whether there are leaks in waste product pipes. The information sheet DIN EN 1610 for new systems and the information sheet ATV 143, part 6, for old systems have become established as the test norms in Germany.

The MPG permits the testing and evaluation of pipelines and waste product pipes in both the public and the private spheres (house connections).

For pressure build-up, the test device has an integrated safety fitting that during the injection of compressed air from a compressor permits the pipeline to be filled to the preset test pressure, permits the testing of the pipeline, and also the release of the test pressure.

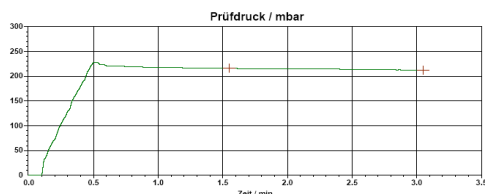
Test documentation can take place both directly on site via the optional integrated tape printer and afterwards via a detailed test protocol generated automatically by the PC.

Whether for test personnel, renovation companies doing total upgrades, or civil engineering companies, for everyday use on construction sites the MPG is the most handy, sturdy and easily operated leak test device.



#### Protokoll zur Dichtheitsprüfung nach DIN EN 1610

|                           |                                   |                          |              |
|---------------------------|-----------------------------------|--------------------------|--------------|
| <b>Auftraggeber:</b>      | Auftraggeber Firma Mustermann     |                          |              |
| <b>Straße:</b>            | Hauptstrasse 1a                   |                          |              |
| <b>Ort:</b>               | 11111 Musterhausen                | <b>Telefon:</b>          | 070707 / 815 |
| <b>Bauvorhaben:</b>       | Rekonstruktion Nördliche Altstadt |                          |              |
| <b>Bauabschnitt:</b>      | Lange Straße und Marktplatz       |                          |              |
| <b>Straße:</b>            | Lange Straße                      |                          |              |
| <b>Ort:</b>               | Musterhausen                      |                          |              |
| <b>Prüfobjekt:</b>        | Abwasserleitung                   |                          |              |
| <b>Von Schacht:</b>       | 6-14                              | <b>Bis Schacht:</b>      | 6-15         |
| <b>Rohrmaterial:</b>      | Kunststoff (KG)                   |                          |              |
| <b>Durchmesser:</b>       | DN 100                            |                          |              |
| <b>Länge (ca.):</b>       | 10.0 m                            | <b>Haltungsvolumen:</b>  | 78.5 l       |
| <b>Prüfverfahren:</b>     | LD                                | <b>Prüfdruck:</b>        | 200 mbar     |
| <b>Prüfzeit:</b>          | 1.5 min                           | <b>Zul. Druckabfall:</b> | 15 mbar      |
| <b>Beginn Füllen:</b>     | 12:08:47 31/08/04                 | <b>bei Druckwert:</b>    | 1 mbar       |
| <b>Beginn Prüfung:</b>    | 12:10:21 31/08/04                 | <b>bei Druckwert:</b>    | 216 mbar     |
| <b>Prüfungsende nach:</b> | 1.5 min                           | <b>bei Druckwert:</b>    | 212 mbar     |
| <b>Prüfresultat:</b>      | Prüfung bestanden                 |                          |              |
| <b>Druckabfall:</b>       | 4 mbar                            |                          |              |
| <b>Prüfer:</b>            | Monteur                           | <b>Prüfgerät:</b>        | MPG #00000   |
| <b>Bemerkung:</b>         |                                   |                          |              |
| <b>Protokolldatei:</b>    | C:\a\04083101.DAT                 |                          |              |



Datum ..... Prüfer ..... Auftraggeber .....

### Technical Parameters

Power supply: 230 V AC , 12 V DC, accumulator

Leak tests in accordance with:  
 DIN EN 1610  
 ATV/DWA-M 143-6  
 Special test (free parameters)

Tape protocol via optionally integrated printer:  
 Date und time of the test,  
 Pressure values and test result

Protocol generated via PC:  
 Supplier / Contractor data  
 Description of the object to be tested  
 Test guidelines / Test result  
 Pressure variation graphic (in colour)

Meas. range: 0 ... + 1000 mbar  
 Accuracy: +/- 1.0 mbar

Delivery includes:

- Measuring box with integrated test computer and data storage for 50 tests, graphic displays and PC interfaces (USB)
- Integrated accumulator
- Integrated air injection device with pressure reducer, change-over valve, and overload safety valve
- connection cable 230 V and PC
- PC test software and manual

Options:

- Integrated tape printer
- Test hose 5 m
- USB adaptor for connection to PC