



## Gas measurement technology

# Hand-held measurement device

Digital manometer **DruckTest 2000**

Gas leak detector **VibraGAS** and combination device

**LeckOmiO** - Leak location with intelligent options



- Rugged hand-held instruments with ergonomic aluminum housing
- Wide range of applications in the gas installation
- Load- and tightness tests according to TRGI
- Powerful gas detector with vibration alarm and digital display reading for gas leak detection
- High contrast LCD display with backlight for an optimal presentation of all measured values
- Easy replacement of batteries with innovative battery Management
- Systematic evaluation of the measured data using Esders PC-1 software
- Graphical printout on site on mobile printer
- Simple operation with intuitive menu navigation
- Practical accessories for all applications



| Technical data        |  |
|-----------------------|--|
| Display               | LCD graphic display with 128 x 64 pixels + special characters, with backlight  |
| Power supply          | 4 pcs 1.5V Alkaline AA Batteries or NiMH battery pack  |
| Operating time        | with alkaline manganese batteries<br>> 100 h at pressure measurement (without lighting)<br>> 20 hours at Gas detection (without lighting)    |
| Measuring range       | 0 bis 10.000 ppm Methan; Auflösung 1, 10, 50, 100 und 1.000 ppm<br>0 bis 200 mbar (hPa) und 200 bis 2000 mbar; Auflösung 0,1 mbar und 1 mbar |
| Operating Temperature | - 20°C to + 50°C   |
| dimensions            | 149-165 x 58 x 34 mm without gooseneck microphone (gooseneck 162 mm)   |
| weight                | 400 g with batteries   |

# Hand held measurement instruments

## Typical applications are:

Load and tightness testing according to TRGI, regulator examination, measurement of flow, resting and working pressures, pressure tests on gas pipes and gas pipes free examination of their external leaks.

The instruments are available as single or combination device and therefore versatile in the gas installation. Through the intuitive Esders operating philosophy a simple and economical operation is given.

The following menu options are available:

- **Pressure Test** display of starting pressure, final pressure, measurement time and pressure drop, as well as minimally and maximum pressure value.
- **Regulator Test** display of the outgoing pressure, closing pressure, safety pressure release valve response pressure and leak-proof completion, upper and lower deactivation of safety shut-off valve and leak-proof completion.
- **Load test according to TRGI** Menu-driven procedure with individual Adjusting of the measuring time to the requirements of the TRGI load testing
- **Tightness test according to TRGI** Menu-driven procedure with individual Adjusting of the measuring time to the requirements of the TRGI tightness testing
- **Building inspection** detection of smallest leaks in plumbing lines and connections. In addition to the optical and acoustic signal a vibration alarm is available.
- **Settings** Custom configuration of the operating parameters such as the measuring unit, automatic switch off or the duty cycle of the backlight to the user's requirements.
- **Adjustment** Sensor sensitivity test and calibration of the device according to DVGW Note G 465-4 by applying test gas and set point adjustment by pressing a button

| Function                         | VibraGAS | DruckTest 2000 | LeckOmiO |
|----------------------------------|----------|----------------|----------|
| Building Inspection              | ●        |                | ●        |
| Pressure Test                    |          | ●              | ●        |
| Regulator Test                   |          | ●              | ●        |
| Load test according to TRGI      |          | ●              | ●        |
| Tightness test according to TRGI |          | ●              | ●        |

## Accessories



Item no. 212011  
Handpump



Item no. 212013  
Adapter pressure



Item no. 292004  
Burner test



Item no. 312018  
Test cap DN 25



Item no. 262009  
Printer



Item no. 262008  
Carrying Case

Further accessories on request!



Item no. 202002  
Power supply  
230/12 V DC



Item no. 262003  
Docking station for  
HMG



Item no. 262023  
Leather protective bag



Item no. 262002  
Strap for Handheld  
Instruments

Subject to technical changes!

