TABLE OF CONTENTS
MEASURING INSTRUMENTS – LEAKAGE AND PRESSURE

38  |  PRODUCT OVERVIEW LEAKGE AND PRESSURE

40  |  DIFFERENTIAL PRESSURE
40  |  Wohler DM 2000 Digital Manometer
41  |  Accessories Wohler DM 2000 Digital Manometer

42  |  PRESSURE AND FLOW
42  |  Wohler DC 410FLOW Pressure Differential & Flow Meter
43  |  Accessories Wohler DC 410FLOW Pressure Differential & Flow Meter

44  |  LEAKAGE TESTING
44  |  Wohler GS 220 Gas Sniffer
45  |  Wohler CM 220 CO-Meter
45  |  Wohler TI 410 Dew Point Indicator
**Wohler GS 220 Gas Sniffer**

**APPLICATION**
- Leakage detection at gas lines
- Examination of heating systems and exhaust ways on combustible gases

**ADVANTAGES:**
- Calibrated for methane (CH4) and liquid petrol gas (LPG) (2 indicator scales)
- Optical and acoustical output
- 16” flexible goose neck for easy access of hard to reach spots
- Highly sensitive and fast response

**TECHNICAL DATA**
- Sensitivity: 40 ppm
- Sensor: Semiconductor
- Indicators: acoustic signal and optically by stage-LED
- Flex holder: 18”
- Warm-up time: max. 50 sec.
- Refresh time: 2 sec.
- Work temperature: 23° - 113 °F
- Supply: 4 AA batteries, 1.5 V
- Size: 6.0” x 2.5” x 1.4”
- Weight: 1.0 lbs

---

**Wohler CM 220 CO-Meter**

**APPLICATION:**
- Test CO leakage from furnaces, water heaters, stoves
- Measurement of CO concentration in the ambient air
- MWC-Value-Measurement (Maximum Workplace Concentration)

**ADVANTAGES:**
- Quick response for testing safe entry conditions
- Easy operation—one button, manual zero
- Visual and acoustic indicators
- Backlight
- Precise electrochemical sensor
- Calculation of the MWC-value (Maximum Workplace Concentration)

**TECHNICAL DATA**
- Range: 0 - 3000 ppm
- Accuracy: ±20 % at 0 - 300 ppm
- ±15 % at 100 - 500 ppm
- Resolution: 1 ppm
- Supply: 3 AAA batteries
- Response time: up to 30 sec.
- Humidity range: 5 – 95 % rH (non-condensing)
- Storage temp.: -40° - 158 °F
- Operating temp.: 14° - 140 °F
- Size: 6.8” x 1.3” x 1.1”
- Weight: 0.5 lbs

---

**Wohler TI 410 Dew Point Indicator**

**APPLICATION:**
- Testing for backdraft conditions between the chimney and the boiler room.

**ADVANTAGES:**
- Small sensor plate for inaccessible locations
- Reliable result through 3 indicators: visual, audible and temperature raise

**TECHNICAL DATA**
- Temperature:
  - Range: -40° - 212 °F
  - Resolution: 0.1 °F
  - Accuracy: 0.1 °F
- Size:
  - Housing: 4.8” x 2.4” x 1”
  - Passages: 0.12”
  - Sensor plate: 0.4” x 1.2”
  - Weight: 1 lbs
- Supply: 9 V block battery

---

Wohler GS 220 Gas Sniffer
7.3” gooseneck
batteries
plastic case
Part no. 6606

Wohler CM 220 CO-Detector
with 17” flex arm
Part no. 6613

Wohler TI 410 Dew Point Indicator
Part no. 6808
WOHLER DC 410FLOW Pressure Differential & Flow Meter Application
- One instrument for measurement of pressure, air flow, temperature and relative humidity
- Is tested to comply with standards for ventilation for buildings – test procedures & measuring methods for handling over installed ventilation and air conditioning systems

Advantages:
- Brilliant full-colour OLED display
- Technician friendly one hand operation with 4 button keypad
- Highly accurate with "no drift technology"
- Pressure resolution of 0.01 inch WC
- Differential temperature with two probes
- Data logger function
- USB port

Technical Data

- Differential Pressure:
  - Resolution: ± 0.01 °F
  - Accuracy: < ± 2 °F
  - Range: 0 °F to 150 °F
- External temperature probe:
  - Resolution: ± 0.1 °F
  - Accuracy: ± 2 °F
  - Range: 0 °F to 150 °F
- Relative humidity:
  - Resolution: ± 0.1 % rH, relative humidity, non condensing
  - Accuracy: ± 2 % rH, ± 3 % rH, ± 5 % rH
  - Range: 0 % bis 100 % rH
- Barometric Pressure:
  - Resolution: ± 0.04 inWC
  - Accuracy: < ± 0.60 inWC
  - Range: 0 inWC bis 44 inWC

Accessories

- S-Tube Probe
  - Part no.: 9244
  - for Wohler DC 4xx
  - for measuring the flow speed, including: temperature probe
- Pilot tube
  - Part no.: 9487
  - length 14", 0.3" diameter
  - length 20", 0.3" diameter
  - length 36", 0.3" diameter

- Wohler Flexible Capillary 3 m
  - Part no.: 4515
  - Wohler A 400, A 600, DC 200, DC 410
  - for differential pressure measurement between adjoining rooms.
  - 1 x capillary hose 3 m, connector, silicone hose

- Wohler TD 100 Thermal Fast Printer
  - Part no.: 4160
  - Infrared printer with 1 roll thermal paper and four batteries

- Thermal Paper
  - 57 mm width, 10 rolls
  - for thermal printer Wohler TD 100 and TD 600
**Wohler DM 2000 Digital Manometer**

**Technical Data**
- **Pressure:**
  - Range: ± 800.00” WC
  - Accuracy: ± 3% or ± 0.02 inch WC (whichever is greater)
  - Resolution: ± 0.01 inch WC
- **Temperature (optional):**
  - Range: 0 to 212 °F
  - Accuracy: better than 4 °F
  - Resolution: 0.1 °F
- **Dimensions:**
  - Size: 2.2” x 6.6” x 2.2”
  - Weight: 1 lbs

**Application**
- Measures gas line and manifold pressure
- Fine tune burners with 0.01” WC resolution
- Measure draft and differential pressure
- Troubleshoot and balance HVAC systems
- Measure temperature with optional probe

**Advantages:**
- Simple one button operation
- Wide measurement range (± 800.00” WC)
- Measures differential pressure
- K0A output to PC/PDA
- Optional temperature measurement
- German technology designed for and by the American Technician

**Accessories**

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wohler Air Temperature Probe, plug</td>
<td>9605</td>
</tr>
<tr>
<td>Air Temperature Probe, 4” probe</td>
<td>9615</td>
</tr>
<tr>
<td>Combustion Air temperature probe, 11”</td>
<td>9613</td>
</tr>
<tr>
<td>Magnetic rubber boot</td>
<td>7202</td>
</tr>
<tr>
<td>Carrying Case</td>
<td>7204</td>
</tr>
<tr>
<td>Handloop</td>
<td>9805</td>
</tr>
</tbody>
</table>

**Wohler DM 2000 Digital Manometer Kit**

**US Version**
- Wohler DM 2000 Digital Manometer
- 5 ft. hose
- **Accessories on page 41**

**Wohler DM 2000 Digital Manometer Kit**

**US Version**
- Wohler DM 2000 Digital Manometer
- 5 ft. hose
- rubber boot
- hand loop
- batteries (installed)
- carrying case
- **Accessories on page 41**
## APPLICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Wohler DM 2000</th>
<th>Wohler DC 410&lt;sup&gt;Flow&lt;/sup&gt;</th>
<th>Wohler GS 220</th>
<th>Wohler CM 220</th>
<th>Wohler TI 410</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement of Gas Leakage</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manifold and Differential Pressure</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flow Measurement in ducts and chimneys from approx. 2.0 m/s</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Backdraft Testing</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 Pa-test for supply air</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ambient Air Quality</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CO Concentrations in rooms and workplaces</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data logger for pressure and temperature</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oil throughput measurement on burner</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## SENSOR SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Wohler DM 2000</th>
<th>Wohler DC 410&lt;sup&gt;Flow&lt;/sup&gt;</th>
<th>Wohler GS 220</th>
<th>Wohler CM 220</th>
<th>Wohler TI 410</th>
</tr>
</thead>
<tbody>
<tr>
<td>Differential Pressure</td>
<td>± 800 inch WC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Flow</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature (internal/external)</td>
<td>external 0...212 °F</td>
<td>internal 0...150 °F</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humidity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methane/Propane</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Wohler DM 2000</th>
<th>Wohler DC 410&lt;sup&gt;Flow&lt;/sup&gt;</th>
<th>Wohler GS 220</th>
<th>Wohler CM 220</th>
<th>Wohler TI 410</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infrared port to connect with printer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>