ZEDbase+

The latest development of the ZEDbase allows to adapt the leak test system to your individual test requirements by selecting intelligent standard functions. Thanks to the intuitive user interface and its many standard features the device can be easily set up and operated.

Application examples:
- **Automotive**: Complete motors, cylinder heads, gearboxes, heat exchangers, electronic control systems, batteries, cables, valves, fuel cells, pumps, ...
- **Medical technology**: Catheters, dialysis filters / boxes, flushing / hose systems, secretion bottles, syringes, external lung machines, ...
- **Packaging / Cosmetics**: Dosing pumps, plastic bottles, cartridges, ...
- **Household appliances**: Water distributors / pumps, gas valves / armatures, stoves, compressors, ...
- **General industry**: Cylinders, safety / check valves, couplings, grippers, ball valves, gaskets, ...

Measurement methods:
- RD  Gauged pressure
  (Option: 2 channels)
- RD / GP  Gauge pressure with bell jar
- RD / DF  Gauge pressure with flow rate
- DD  Differential pressure
- SD  Impact Pressure
- MF  Mass flow

(See technical data for available pressure ranges)

Accessories (optional):
- Test leak
- Leak calibrator
- Barcode scanner
- External venting
- Temperature compensation
- Keyboard
Technical data:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Gauge pressure</th>
<th>Differential pressure</th>
<th>Impact Pressure</th>
<th>Mass flow</th>
<th>Flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test pressure range</td>
<td>vacuum ... 232 psi / 16 bar</td>
<td>0 ... 6 bar</td>
<td>vacuum ... 87 psi / 6 bar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test pressure accuracy</td>
<td>1 % FS (Full Scale)</td>
<td>1 % FS</td>
<td>1 % FS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measuring range</td>
<td>as test pressure range</td>
<td>-1.45 ... 1.45 psi - 100 ... 100 mbar</td>
<td>10,000 ... 450,000 ccm/min</td>
<td>-50 ... 50 or -250 ... 250 ccm/min</td>
<td>up to 250,000 ccm/min</td>
</tr>
<tr>
<td>Measurement resolution</td>
<td>0.5 ppm FS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smallest measurable change in pressure (type-specific)</td>
<td>0.5 Pa [14.50 psi / 1 bar] ... 4 Pa [232 psi / 16 bar]</td>
<td>0.1 Pa 0.1 Pa (50 mbar) ... 1.5 Pa (6 bar)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measurement accuracy (Leak rate)</td>
<td>depending on test set-up</td>
<td>depending on test set-up</td>
<td>typically 5 % of measured value no smaller than 0.5 % FS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repeatability</td>
<td>depending on test set-up</td>
<td>depending on test set-up</td>
<td>typically 5 % of measured value no smaller than 0.05 % FS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Further details, test pressures, control system options, customer-specific records of overarching data capture and evaluation systems available on request.