



## ZEDbase<sup>+</sup>

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.

### Measurement methods:

- RD Gauge 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

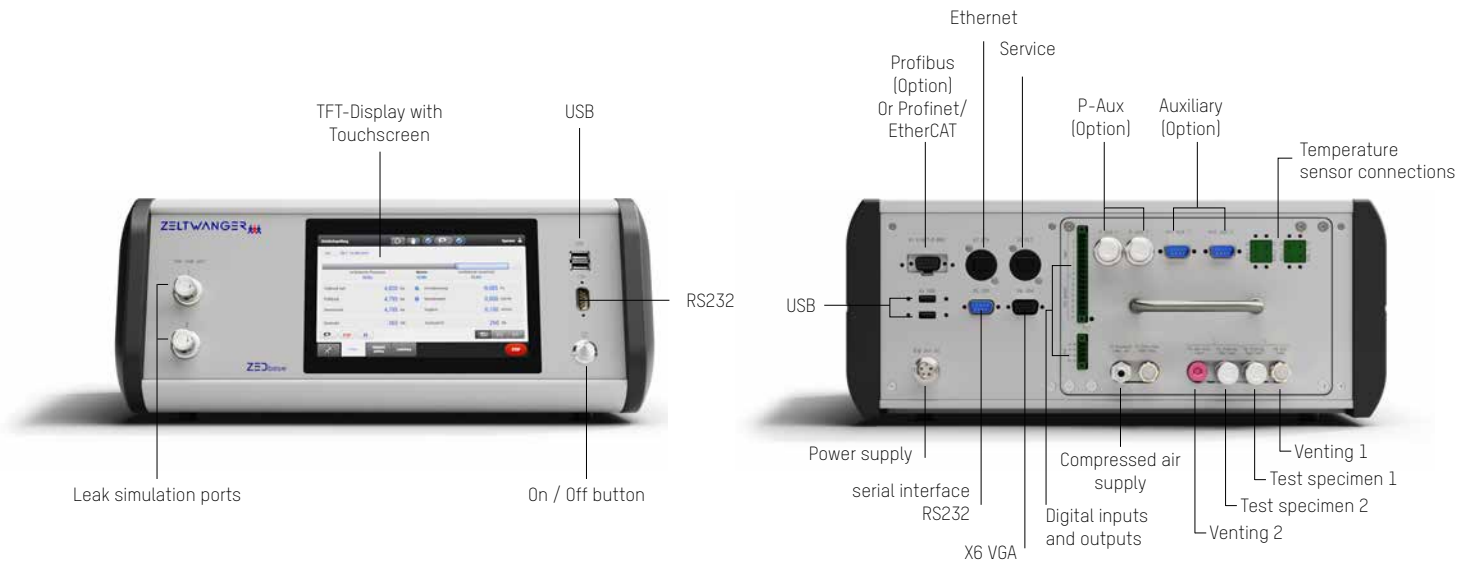
(See technical data for available pressure ranges)

### 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, ...

### Accessories (optional):

- Test leak
- Leak calibrator
- Barcode scanner
- External venting
- Temperature compensation
- Keyboard



**Product characteristics:**

- PC-based control system with efficient polynuclear CPU and Windows Embedded 7
- 6.5" TFT color display with touchscreen
- Graphic display of the measurement course
- Data storage > 1,000,000 test results
- > 1,000 test programs with unrestricted parameter settings
- Self-testing function
- Statistic function
- Automatic test pressure monitoring
- Electronic pressure regulator
- Leak simulation for connecting a test leak or leak calibrator
- Sequential / parallel testing (at 2-channel devices)
- Automatic determination of volume with a reference leak
- Control of ZEDsatellite

**Control options:**

- PROFIBUS / PROFINET\*      Barcode control system (RS232)
- Ethernet (Modbus)      RS232 (Modbus)
- Configurable digital inputs / outputs\*

**Interfaces:**

- VGA:** for connecting an external monitor
- USB and Ethernet interface:** e.g. for data export to CSV, XML
- RS232 interface:** e.g. for the leak calibrator
- Dimensions (H x W x D):** 6.89x16.14 x 16.73 in / 175x410x425 mm
- Weight:** 26.5 - 33.1 lb / 12 - 15 kg approx.
- Power supply:** 24VDC (+10 / -5%) 5A
- Test medium:** Compressed air (no oil or water in compliance with ISO 8573-1 Class 3)

\*optional

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

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