

ZEDeco+

The ZEDeco+ is a single-channel leak tester for defined standard applications. The economical compact solution enables precise testing with a fast sampling rate and combines modern design with maximum user-friendliness. The integrated OPC UA server, serves as an interface for future industrial applications.

TYPICAL APPLICATIONS

- + **Automotive:** Complete engines, cylinder heads, transmission, heat exchangers, control electronics, batteries, pipes, valves, fuel cells, pumps, etc.
- + **Medical technology:** Catheters, dialysis filters/boxes, flushing systems, tubing systems, secretion containers, syringes, respirator devices, etc.
- + **Packaging / cosmetics:** Dosing pumps, plastic bottles, cartridges, etc.
- + **Domestic appliances:** Water diverters, water pumps, gas valves / fittings, stoves, compressors, etc.
- + **General industry:** cylinders, safety / checkvalves, couplings, grippers, ball valves, seals

Accessories (optional):

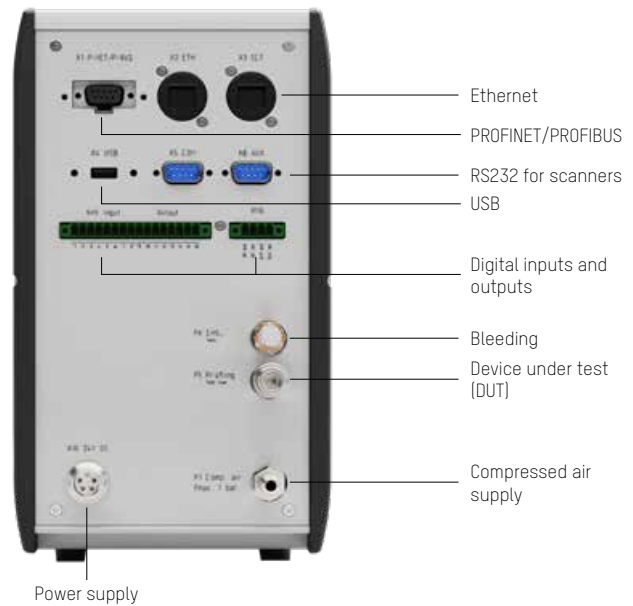
- + Test leak
- + Leak calibrator
- + Barcode scanner
- + External bleed valve

MEASUREMENT METHODS

RD Relative pressure

On request, all installed pressure sensors can be supplied directly by ZELTWANGER in accordance with **DIN EN ISO/IEC 17025** with a **calibration certificate** and **accreditation symbol**.





Product features:

- PC-based control with powerful multi-core CPU
- 7" TFT color display with capacitive touchscreen
- Graphical representation of the measurement process
- Data storage > 1,000,000 test results
- > 1,000 freely configurable test programs
- Self-test function
- Automatic test pressure monitoring
- Electronic pressure regulator
- Leak simulation connection for connecting a test leak or leak calibrator
- Automatic volume determination with a test leak or a leak simulator

Technical specifications:

- Test pressure range
- Test pressure accuracy
- Measuring range
- Measurement resolution
- Smallest measurable pressurechange (type-specific)
- Measurement accuracy (leak rate)
- Repeatability

Additional accuracies, test pressures, control options, customer-specific protocols for higher-level data acquisition and evaluation systems on request.

Control options:

- PROFIBUS / PROFINET*
- Ethernet (Modbus)
- 8 digital inputs and outputs
- OPC-UA
- RS232

Interfaces:

- USB and Ethernet: e.g., for data export to CSV
- RS232: e.g., for leak calibrator, scanner
- Dimensions (HxBxT): 262x149x360 mm (without couplings)
- Weight: approx. 12 - 15 kg
- Power supply: 24VDC (+10% / -5%) 5A
- Test medium: compressed air (oil and anhydrous according to ISO 8573-1 class 3)

*optional

Relative pressure

- 0 ... 3 psi / 0 ... 200 mbar*
- 0 ... 15 psi / 0 ... 1 bar*
- 0 ... 44 psi / 0 ... 3 bar*
- 0 ... 87 psi / 0 ... 6 bar*
- 1% v.E.¹
- like test pressure range
- 0.5 ppm v.E.¹
- 0.5 Pa [14.5 psi / 1 bar] ... 2 Pa [87 psi / 6 bar]
- depending on the test setup
- depending on the test setup

¹ of the end value
 * Recommended working pressure range: 10-95% FS