



ZEDeco

ZEDeco is the compact cost-effective single-channel leak tester for standard applications. Designed to allow for ultra-fast sampling rates and extremely accurate measurements, ZEDeco's all-new ergonomic user interface combines the comprehensive display of alphanumeric process data and diagrams with the ease of use of modern smartphones. The integrated OPC-UA server allows for the seamless integration into fully automated production environments (Industry 4.0).

Available modules:

RD Gauge pressure

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 ventilators, ...
- **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



Product characteristics:

- PC-based control system with efficient multi core CPU
- 7" 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
- Automatic test pressure monitoring
- Electronic pressure regulator
- Leak simulation for connecting a test leak or leak calibrator
- Automatic determination of volume with a test leak or leak simulator

Control options:

- PROFIBUS / PROFINET * OPC-UA
- Ethernet (Modbus) Barcode Control (RS232)
- Digital I/O

Interfaces:

- USB and Ethernet:** e. g. for data export to CSV
- RS232:** e. g. for the leak calibrator, Scanner
- Dimensions (HxWxD):** 10.43x5.83x15.12 in / 265 x 148 x 384 mm (w/o fittings)

- Weight:** 26.46 / 12 kg
- Power supply:** 24VDC (+10 / -5 %) 5 A

Test medium: Compressed air
(no oil or water in compliance with ISO 8573-1 Class 3)

*optional

Technical data:

	Gauge pressure
Test pressure range	0 ... 87 psi / 6 bar
Test pressure accuracy	1 % FS ¹
Measuring range	as test pressure range
Measurement resolution	0.5 ppm FS ¹
Smallest measurable change in pressure (type-specific)	0.5 Pa (14.5 psi / 1 bar) ... 2 Pa (87 psi / 6 bar)
Measurement accuracy (Leak rate)	depending on test set-up
Repeatability	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

¹ Full Scale