# ZEDflex

The ZEDflex leak test solution meets customer-specific requirements through flexibly positionable measuring circuits. It uses the powerful ZED software. A universal evaluation unit allows secure data exchange and archiving of measurement results. The flexible measuring circuits rely on the compact ZEDsatellite*.

**Available testing 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 |

**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):**

· Keyboard drawer
· Keyboard
· Color display (standard rack 17")
· Barcode scanner
· External venting valve
· Rack for test setup

(*See datasheet ZEDsatellite for available pressure ranges)

## Configurator

**Evaluation unit ZEDcontrol**

### Features
- Control and evaluation unit with efficient multi-core CPU and Windows Embedded 7
- Data storage > 1,000,000 test results
- > 1,000 test programs with unrestricted parameter settings
- Automatic test pressure monitoring

### Housing

### Options
- Cabinet
- Rack
- Customer specific (Standard)
- Rack for test setup **

**Measurement modules ZEDsatellite**

- Up to 8 devices
- See datasheet ZEDsatellite for further details
- We offer all common leak testing methods
- Dimensions (H x W x D): 139 x 235 x 315 mm
- Weight: 8 – 10 kg approx.
- Self-testing function
- ZEDsatellite could be integrated into cabinet, as well as although dezentralized

**Display**

### Options
- Stand-Alone
- Integration into Rack
- Customer specific

### Product characteristics
- Graphic display of the measurement course on each channel
- Statistic function
- TFT color display with touchscreen

** E.g. Massflow with reference leak and pressure booster

## Control Options:

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

*** optional

## 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

**Power supply:** 24 VDC (+10 / -5 %) 6.7 A

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