## Leak and Flow Testers

# Product Comparison

| Type | | Leak Testers | | | | | | Flow Testers | |
|---|---|---|---|---|---|---|---|---|---|
| **Product Series** | | CETATEST | CETATEST | | | | | CETATEST | |
| | | | | | | 825 HD-DA | | | |
| | | 725 | 525 | 820 | 825 | primary | secondary | 625 | 925 |
| **Operating principle** | | Pressure change<br>Gauge pressure sensor | Pressure change<br>Differential pressure sensor | | | | | Mass flow sensor | Pressure difference at laminar flow element |
| **Test medium** | Compressed air | ● | ● | ● | ● | ● | ● | ● | ● |
| **Measurement ranges** | ± 500 Pa | | ● | ● | ● | | ● | | |
| | ± 5.000 Pa | | ● | | ● | | ● | | |
| | ± 2.500 Pa | ● | | | | | | | |
| | ± 10.000 Pa | ● | | | | | | | |
| | 10 Nml/min \| 25 Nml/min \| 60 Nml/min | | | | | | | ● | |
| | 150 Nml/min \| 300 Nml/min | | | | | | | ● | |
| | 600 Nml/min \| 60 Nl/min | | | | | | | ● | |
| | 3 ml/min - 200 l/min (depending on LFE) | | | | | | | | ● |
| **Pressure ranges** | 10 mbar | | | | | | | | ●LP |
| | 50 mbar | | | | ●LP | | | | |
| | -1000 mbar / +150 mbar | | | | | | | | ●M |
| | -1 bar | ● | ● | ● | ● | | | | ●M/E |
| | -1 / +1 bar | ● | ● | ● | ● | | | | ● |
| | -1 / +6 bar | ● | ● | | ● | | | | ● |
| | -1 / +10 bar | ● | | ● | ● | | | | ● |
| | +150 mbar | | | | | | ● | | ●M |
| | +200 mbar | ● | ● | | ● | | | ● | ● |
| | +1 bar | ● | ● | ● | ● | | | ● | ●M/E |
| | +6 bar | ● | ● | | ● | | | ● | ●M/E |
| | +10 bar | ● | | ● | ● | | | ● | |
| | +16 bar | ● | | | | | | | |
| | +20 bar | ● | | | ● | | | | |
| | + 30 bar | | | | ● | | | | |
| | +100 bar | | | | | ●M | | | |
| | +400 bar | | | | | ●M | | | |
| **Applications** | Direct fillable components | ● | ● | ● | ● | ● | | ● | ● |
| | Capsuled components | ● | ● | | ● | | | | |
| | Smallest volume components | | ● | | | | | | |
| | Small-volume components | | | ● | ● | | | | |
| | Large-volume components | ●LV | | | | | | ● | |
| | Large Volumes, small leakages | | | | | | | ● | |
| | Large leaks | ● | | | | | | ● | ● |
| | Mass flows up to 60 Nl/min | | | | | | | ● | |
| | Volume flows up to 200 l/min | | | | | | | | ● |

| | | 725 | 525 | 820 | 825 | 825 HD-DA | 625 | 925 |
|---|---|---|---|---|---|---|---|---|
| **Special features** | Short testing time | | ● | ● | ● | | | |
| | Large measuring range | ● | | | | | | ● |
| | Variety of test modes | ● | ● | | ● | | | |
| | Setup of leakage rate | ● | ● | | ● | ● | | |
| | Determonation of measurement system capability ($C_g$, $C_{gk}$) | ● | ● | | ● | ● | ● | ● |
| | Real-time system \| 24-bit A/D converter | ● | ● | ● | ● | ● | ● | ● |
| | Number of test programs | 256 | 256 | 64 | 256 | 256 | 256 | 256 |
| **Test modes** | Pressure decay | ● | ● | ● | ● | | | |
| | Dynamic pressure | Option | Option | | Option | | | |
| | Sealed component | Option | Option (high resolution) | | Option | | | |
| | Pressure rise | | | | Option | ● | | |
| | Pressure steps | Option | Option | | Option | | | |
| | Flow test - volume flow measurement | | | | | | | ● |
| | Leak test - mass flow measurement | | | | | | ● | |
| **Test options** | Prefill | ● | ● | ● | ● | ● | ● | ●E |
| | Smooth filling | ● | ● | ● | ● | ● | ● | ●E |
| | Pulsing | ● | ● | ● | ● | ● | ● | ●E |
| | 'Nominal pressure opimisation | ● | ● | ● | ● | ● | ● | ● |
| | Variable zero point | ● | ● | | ● | | | |
| | Program series | Option | Option | | Option | | Option | Option |
| | Temperature compensation | | Option | | Option | | | |
| | Test repetition | Option | Option | | Option | | | |
| | Exponential extrapolation | | | | | | | Option |
| | Bypass | | | | | | | Option |
| | Free programmable control valves | Option (#3) | Option (#3) | Option (#1) | Option (#3) | Option (#3) | Option (#2) | Option (#3) |
| **Multi-channel option** | Number of channels | 1 | 1 | 1 | 1 | 2 | 1 | 1 |
| | Synchronous operation | - | - | - | - | S | - | - |
| **Interfaces** | Digital I/O | ● | ● | ● | ● | ● | ● | ● |
| | RS-232 | ● | ● | ● | ● | ● | ● | ● |
| | USB Host | ● | ● | ● | ● | ● | ● | ● |
| | Ethernet | ● | ● | ● | ● | ● | ● | ● |
| | Profibus DP | Option | Option | | Option | Option | Option | Option |
| | Profinet | Option | Option | Option | Option | Option | Option | Option |
| | EtherCAT | Option | Option | | Option | Option | Option | Option |
| | USB Slave | Option | Option | | Option | Option | Option | Option |
| **Display** | 7" touch color display, 800 pixels x 480 pixels | ● | ● | ● | ● | ● | ● | ● |

Subject to changes in the sense of technical progress | December 2025

**Notes**

Optimised for A3 portrait format

All pressure ranges are electronically controlled, unless otherwise specified.

M = MPR Mechanical Pressure Regulator | E = EPR Electronic Pressure Regulator | M/E = MPR and EPR available | LP = Low Pressure Variant

LFE = Laminar Flow Element | LV = Large Volume Variant