

INTEGRA

NG

THE NEXT GENERATION

Leakage testing in new dimension



- ▶ State-of-the-art multiprocessor technology
- ▶ 24-bit maximum resolution analog technology
- ▶ Complete networking capability via WLAN or Ethernet
- ▶ Improved self-diagnosis features
- ▶ Convenient operating and programming software under Windows 8

Leakage Test · Flow Test · Function Test

dr. wiesner
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INTEGRA NG – THE NEXT GENERATION

In engineering the new **INTEGRA NG** series combining state-of-the-art multiprocessor technology including fully updated operating systems, Dr. Wiesner specialists have come up with an extremely high-performance leakage test system geared to optimum adaptability standards to meet customers' individual requirements.

Improved measuring systems serve to optimize testing procedures applied to all test methods and options. In addition, clearer presentation of the operating functions caters for ultimate user-friendliness.



INTEGRA *base, pro* und *smart* – Completely equipped devices for all test methods

- ▶ Access to complete range of test methods and options while supporting all device versions
- ▶ Test-unit network incorporating a capacity of up to 32 users
- ▶ Measurement resolution up to 0.01 Pa
- ▶ Application of up-to-the-minute technology standards including Ethernet coupling and USB data storage facilities, touch screen, etc.



- ▶ Operation and parameter setting possible via WLAN linkage
- ▶ Intelligent measured-value display featuring IVS function
- ▶ Minimum-value suppression activating facilities
- ▶ Improved self-diagnosis with monitoring-control trigger function
- ▶ Improved password protection



Compact device – stand-alone or network-geared

- ▶ High-capacity measuring electronics with interfaces for override control
- ▶ Parameter setting and display by means of software package suitable for desk PC, laptop or tablet PC
- ▶ Operating status and results display by means of multicolor LED system
- ▶ All test methods feasible

- ▶ Ring buffer for 8000 test results
- ▶ Test Leak connection via quick-fit coupling mounted to front panel

Communication

- ▶ Digital I/O port
- ▶ 2 Ethernet ports
- ▶ Profibus slave unit (optional)
- ▶ WLAN (optional)
- ▶ USB (master) for USB storage media
- ▶ USB (device) for PC-based data acquisition



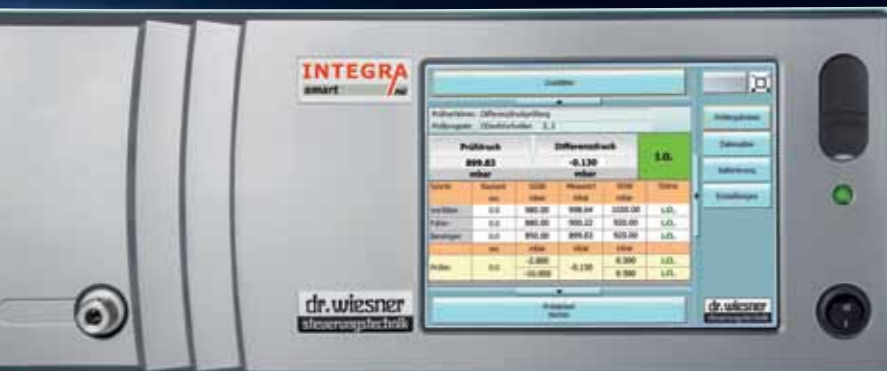
Complete device – for individual test stands

- + high-capacity measuring electronics including keyboard and alphanumeric display as well as interfaces for override control
- + parameter setting and display possible directly on unit
- + operating status and result outputting via display and multicolor LED system
- + 64 test programs capable of being stored

- + Statistical evaluation of readings
- ▶ Supports all test methods
- ▶ Ring buffer for 8000 test results
- ▶ Test Leak connection via quick-fit coupling mounted to front panel

Communication

- ▶ Digital I/O port
- ▶ 2 Ethernet ports
- ▶ Profibus slave unit (optional)
- ▶ WLAN (optional)
- ▶ USB (master) for USB storage media
- ▶ USB (device) for PC-based data acquisition



High-end device – for sophisticated requirements

- + high-capacity measuring electronics with panel PC and full-graphic touch screen and interfaces for override control Windows 8 operating system
- + control and data-management center for test-unit network
- + clear and comfortable parameter setting and display facilities directly on unit, also for linked **INTEGRA base** equipment
- + operating status and result outputting via graphic display and multicolor LED system

- + graphic display of test process and statistical evaluation
- + 256 test programs capable of being stored
- ▶ Supports all test methods
- ▶ Ring buffer for 8000 test results
- ▶ Test Leak connection via quick-fit coupling mounted to front panel

Communication

- ▶ Digital I/O port
- ▶ 2 Ethernet ports
- ▶ Profibus slave unit (optional)
- + Profibus master (optional)
- ▶ WLAN (optional)
- ▶ USB (master) for USB storage media
- ▶ USB (device)) for PC-based data acquisition

INTEGRA manager – PC-tool software for INTEGRA base

Software package for manual operation, measured-value display and data management of **INTEGRA base** equipment.

- ▶ Clearly-structured software layout and well-arranged displays for operation with keyboard, mouse and touch screen
- ▶ Compatible with Windows XP, Windows 7 and Windows 8 on laptops, netbook computers and tablet PCs
- ▶ Management of up to 16 different test programs



- ▶ Display and evaluation of the 8000 measured values last tested and filed on the ring buffer
- ▶ Linkage to **INTEGRA base** via Ethernet interface on front panel for fast data transfer or via WLAN (optional)

Technical Data

The following applies to all INTEGRA NG versions

• Electrical power supply	24 V DC (230 V power pack accessory available)
• Measuring electronics	multiprocessor system with ARM7 and AU155 under Linux with full networking capabilities Intel® Atom under Windows 8 (INTEGRA smart only)
• Test-pressure setting	Electronic (manual optional)
• Test-pressure ranges	-1...0 bar -1...+3 bar -1...+5 bar -1...+9 bar 0...1 bar 0...6 bar 0...10 bar other ranges on request
• Measured-value resolution	Test pressure 1/500.000 of measuring range Differential pressure 0.01 Pa
• Test-leakage connector	Stäubli RBE03 on front panel
• Housing Dimensions (WxHxD)	Protection class IP40 INTEGRA base 340x185x380mm INTEGRA pro + smart 450x185x380mm
• Interfaces	Digital I/O port 2 Ethernet ports 2 USBs Profibus slave unit (optional)

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