

INDUSTRIAL AUTOMATION & IT SOLUTIONS



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FOR SPECIFICATION AND PRICE OFFER

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## LEAK TEST 2.0

EQUIPMENT  
FOR ACCURATE EVALUATION  
TIGHTNESS AND VOLUME FOR WIDE  
PRODUCT AND APPLICATION SPECTRUM



MAIN FUNCTIONS

LEAKAGE MEASUREMENT TEST BY PRESSURE AND VACUUM

- MEASUREMENT IS BASED ON THE CALCULATION OF DIFFERENCE OF MEASURING PRESSURE ON BEGINNING AND END OF MEASUREMENT [MBAR / MIN]
- ACCURATE PRESSURE MEASUREMENT

LEAKAGE MEASUREMENT BY AIR FLOW

- MEASUREMENT RESULT IS AIR FLOW VALUE AFTER STABILIZATION THE PRESSURE VALUE
- ACCURATE AIR FLOW MEASUREMENT

MEASUREMENT OF VOLUMES OF DIFFERENT OBJECTS

- APPLICATION FOR ACCURATE VOLUME MEASUREMENT BASED ON COMPARISONS AND CONVERSION OF MEASURED VALUES
- ACCURATE MEASUREMENT OF OBJECT VOLUME

DATABASE SYSTEM WITH MEASUREMENT RESULTS

- APPLICATION WITH COMPLETE MEASUREMENT RESULTS AND TIME OF THE TESTS
- MULTI-LANGUAGE MENU (SK / DE / ENG ..)
- MENU WITH LOGIN AND MANAGEMENT OF DIFFERENT USERS ACCESS

PREVIEW OF THE PORTABLE VERSION OF THE DEVICE

- 1 CONTROL PANEL
- 2 ADAPTER CONNECTOR
- 3 AIR SUPPLY [6 BAR]
- 4 ELECTRICAL SUPPLY [110/230V]
- 5 ADAPTIVE COOLING FAN
- 6 AIR FILTER
- 7 TELESCOPIC HANDLE
- 8 HOLDER
- 9 PRESSURE SENSORS
- 10 VACUUM GENERATOR
- 11 COMPRESSED AIR TREATMENT
- 12 PNEUMATIC VALVES
- 13 PRESSURE VESSEL
- 14 POWER SWITCH
- 15 AIR FILTER
- 16 MODULE CARDS
- 17 LAN CONNECTION
- 18 USB CONNECTION
- 19 4 x M12-A CONNECTORS



EQUIPMENT FEATURES

SYSTEM FOR MANUAL AND AUTOMATED PRODUCTION

- THE EQUIPMENT IS DESIGN FOR WORK ON INSPECTIONS, TESTS AND CALIBRATIONS OF SELECTED PARTS BY WORKERS,AS WELL AS FOR AUTOMATED WORKPLACE WITH TESTING EACH PRODUCT BY ROBOTS.

CONNECTION CONNECTOR WITH SENSING TECHNOLOGY

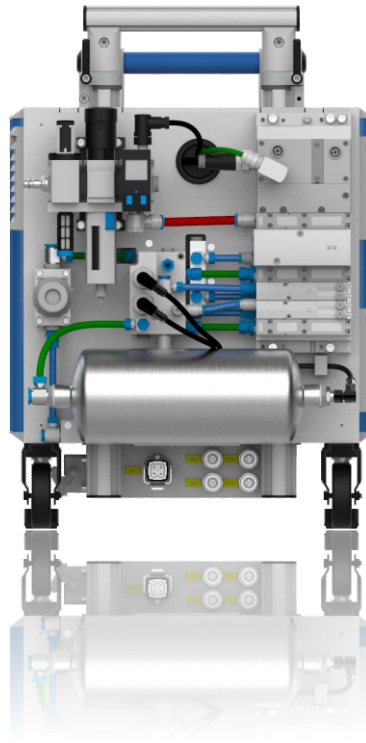
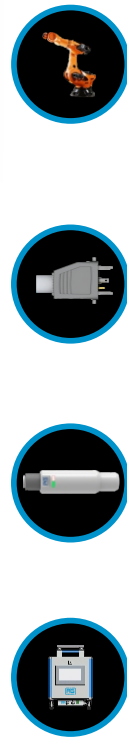
- EASY TO REPLACE ADAPTER CONNECTED THROUGH THE CONNECTOR ON THE BOTTOM OF THE EQUIPMENT.
- INPUTS FOR CONNECTION OF SELECTED SENSORS ACCORDING TO APPLICATION REQUIREMENTS.

CONFIGURABLE ADAPTER FOR DIFFERENT APPLICATIONS

- MEASURING ADAPTERS MADE EXACTLY TO CLIENT REQUIREMENTS WITH LIGHT INDICATION OF THE MEASUREMENT STATUS, BUTTONS..
- POSSIBILITY OF DURABLE MATERIALS FOR USING IN DIFFERENT ENVIRONMENTS

COMPACT DIMENSIONS AND MANIPULATION

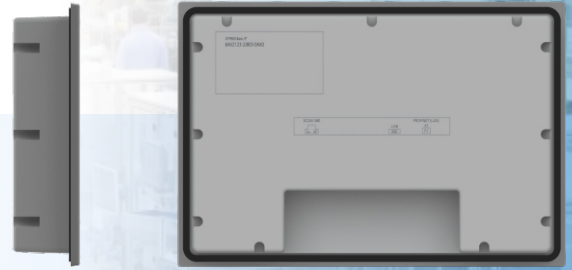
- WHEEL CONSTRUCTION WITH TELESCOPIC HANDLE FOR SIMPLE MANIPULATION.
- LOCKING CABINET WITH PNEUMATIC COMPONENTS
- OPENED REAR SIDE OF DEVICE



CONTROL PANEL



SIEMENS KPT 900BASIC



- LEAK RESULTS [CM3 / MIN]
- FLOW VALUE [SCCM]
- CURRENT MEASURING PRESSURE [MBAR]
- CURRENT MEASUREMENT TIME [SEC]
- REMAINING TIME [SEC]
- INDICATION OF MEASURING ADAPTER CONNECTION
- POSSIBILITY TO TRANSFER THE MEASUREMENT RECORDING DIRECTLY TO USB
- MEASUREMENT PROCESS VISUALIZATION
- ADJUSTABLE PARAMETERS ACCORDING TO TYPE OF APPLICATION
- DEVICE DIAGNOSTICS
- IMPORTANT MESSAGES AND RESULTS IN THE DATABASE
- MULTI-LANGUAGE MENU (SK / DE / ENG ..)
- POSSIBILITY TO ADJUST THE VISUALITIZATION ACCORDING TO TYPE OF APPLICATION

1  
2  
3  
4

1  
2  
3



## PORTABLE VERSION - LEAK TEST 2.0P

### PORTABLE VERSION

- CONTAINS TELESCOPIC HANDLE AND INDUSTRIAL EASY ACCESS WHEELS FOR INTERIOR APPLICATIONS

**WEIGHT:** 37.4KG - WITHOUT ADAPTER AND HOSE PROTECTOR

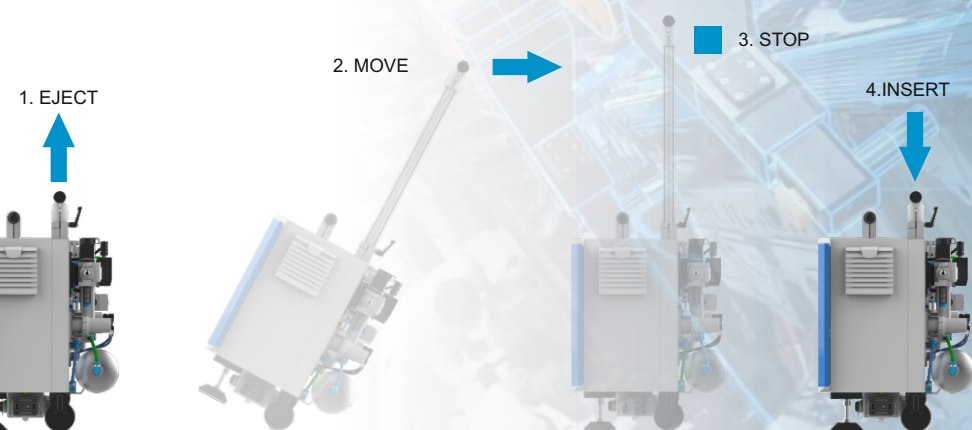
- INTERNAL ADAPTIVE AIR COOLING

#### MEDIA REQUIRED:

- 110 / 230V
- 6 BAR COMPRESSED AIR

#### DESIGN FOR:

- QUICK LEAK TESTS IN ACCESSIBLE PRODUCTION HALLS
- EQUIPMENT INSPECTION LEAK TESTS AND VARIOUS MANUFACTURED PARTS TESTS



## STATIC VERSION - LEAK TEST 2.0S

### STATIC VERSION

- VERSION WITHOUT TELESCOPIC HANDLE AND WHEELS
- FULLY AUTOMATIC EQUIPMENT COMBINABLE WITH OTHER MEMBERS OF AUTOMATED WORKPLACE

**WEIGHT:** 30KG - WITHOUT ADAPTER AND HOSE PROTECTOR

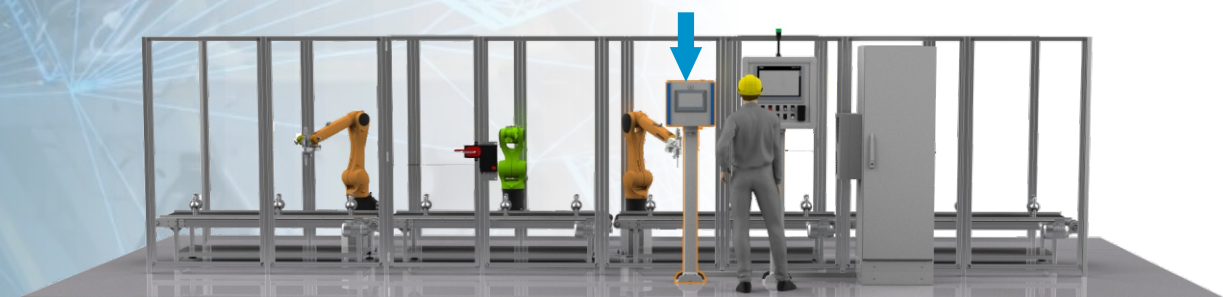
- INTERNAL ADAPTIVE AIR COOLING

#### MEDIA REQUIRED:

- 110 / 230V
- 6 BAR COMPRESSED AIR

#### DESIGN FOR:

- AUTOMATED PRODUCTIONS AND ROBOTIC WORKPLACES WHERE REQUIRED LEAK TESTS AFTER THE APPLICATION SUCH AS WELDING, PRESSING, ADHESIVE APPLICATION, INSERTING GASKETS ...



DEVICE IS INSTALLED FOR MEASURING THE LEAKAGE IN THE AUTOMATED WORKPLACE

## PARTS OF LEAK TEST 2.0P

### 1. PORTABLE VERSION OF THE LEAK MEASURING DEVICE

- WHEEL CONSTRUCTION WITH TELESCOPIC HANDLE FOR SIMPLE HANDLING

### 2. STANDARD SOFTWARE

- APPLICATION WITH COMPLETE MEASUREMENTS AND THEIR TIME COURSE
- MULTI-LANGUAGE MENU (SK / DE / ENG ..)
- MENU WITH LOGIN AND MANAGEMENT OF DIFFERENT USERS

### 3. STANDARD MEASURING ADAPTER

- PLASTIC DESIGN OF ADAPTER WITH COMPACT DIMENSIONS
- LIGHT SIGNALIZATION OF LEAK MEASUREMENT STATUS

### 4. WARRANTY AND POST-WARRANTY SERVICE

- WE OFFER 1 YEAR WARRANTY SERVICE FOR OUR EQUIPMENT
- WARRANTY SERVICE AND DELIVERY OF SPARE PARTS
- EQUIPMENT CALIBRATION

## POSSIBILITY OF ADDITIONAL FUNCTIONS

- CUSTOMIZED ADAPTER FOR A SPECIFIC MEASUREMENT APPLICATION
- ADJUSTMENT OF THE APPLICATION ACCORDING TO THE CLIENT'S REQUIREMENTS
- POSSIBILITY OF DELIVERY OF SPARE PARTS



## PARTS OF LEAK TEST 2.0S

### 1. STATIC VERSION OF THE LEAK MEASURING DEVICE

- CONSTRUCTION WITHOUT WHEELS AND TELESCOPIC HANDLE

### 2. STANDARD SOFTWARE

- APPLICATION WITH COMPLETE MEASUREMENTS AND THEIR TIME COURSE
- MULTI-LANGUAGE MENU (SK / DE / ENG ..)
- MENU WITH LOGIN AND MANAGEMENT OF DIFFERENT USERS

### 3. STANDARD MEASURING ADAPTER

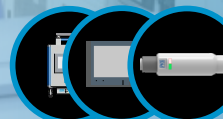
- PLASTIC DESIGN OF ADAPTER WITH COMPACT DIMENSIONS
- LIGHT SIGNALIZATION OF LEAK MEASUREMENT STATUS

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- WE OFFER 1 YEAR WARRANTY SERVICE FOR OUR EQUIPMENT
- WARRANTY SERVICE AND DELIVERY OF SPARE PARTS
- EQUIPMENT CALIBRATION

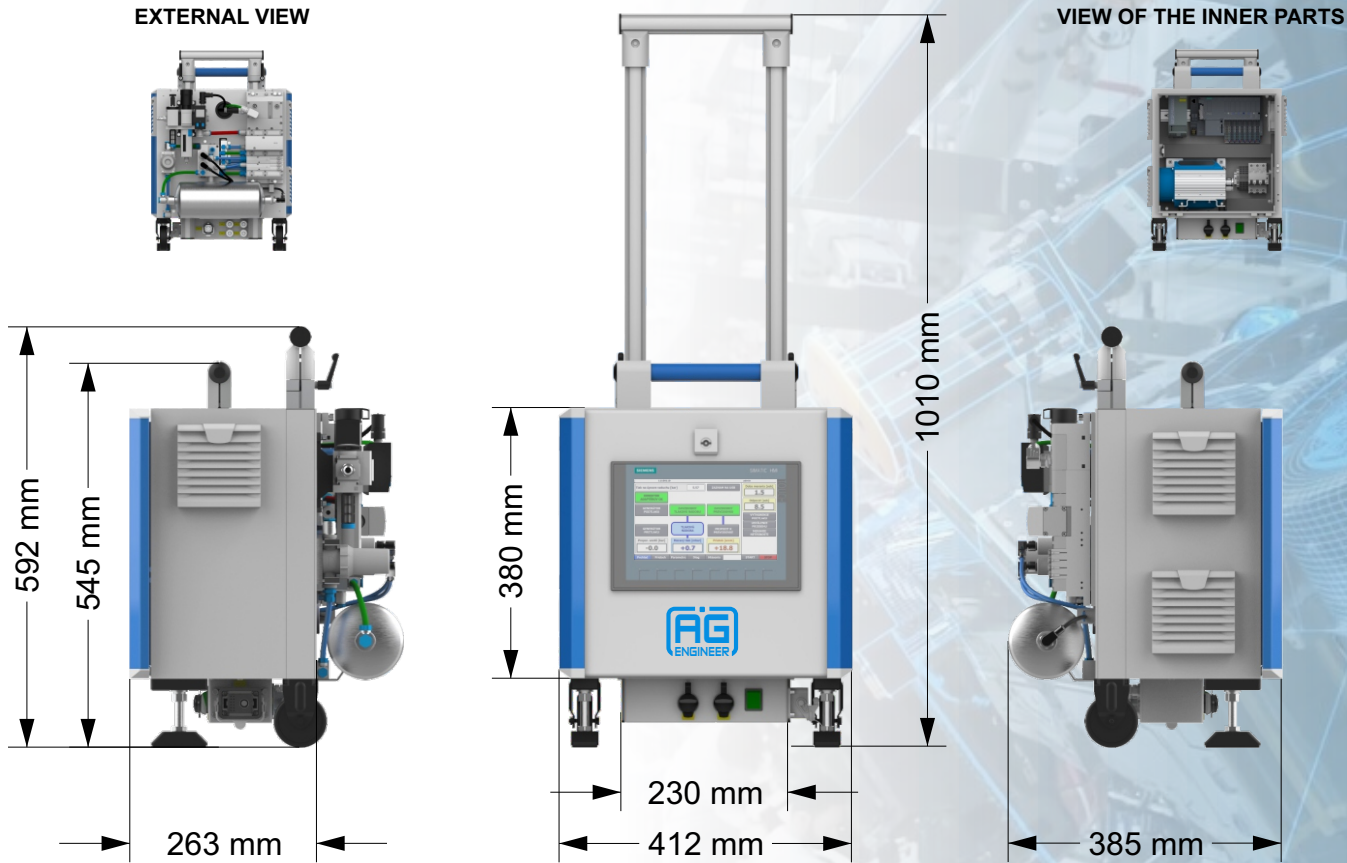
## POSSIBILITY OF ADDITIONAL FUNCTIONS

- A CUSTOMIZED ADAPTER FOR A SPECIFIC MEASUREMENT APPLICATION
- ADJUSTMENT OF THE APPLICATION ACCORDING TO THE CLIENT'S REQUIREMENTS
- POSSIBILITY OF DELIVERY OF SPARE PARTS
- INSTALLATION AT THE WORKPLACE





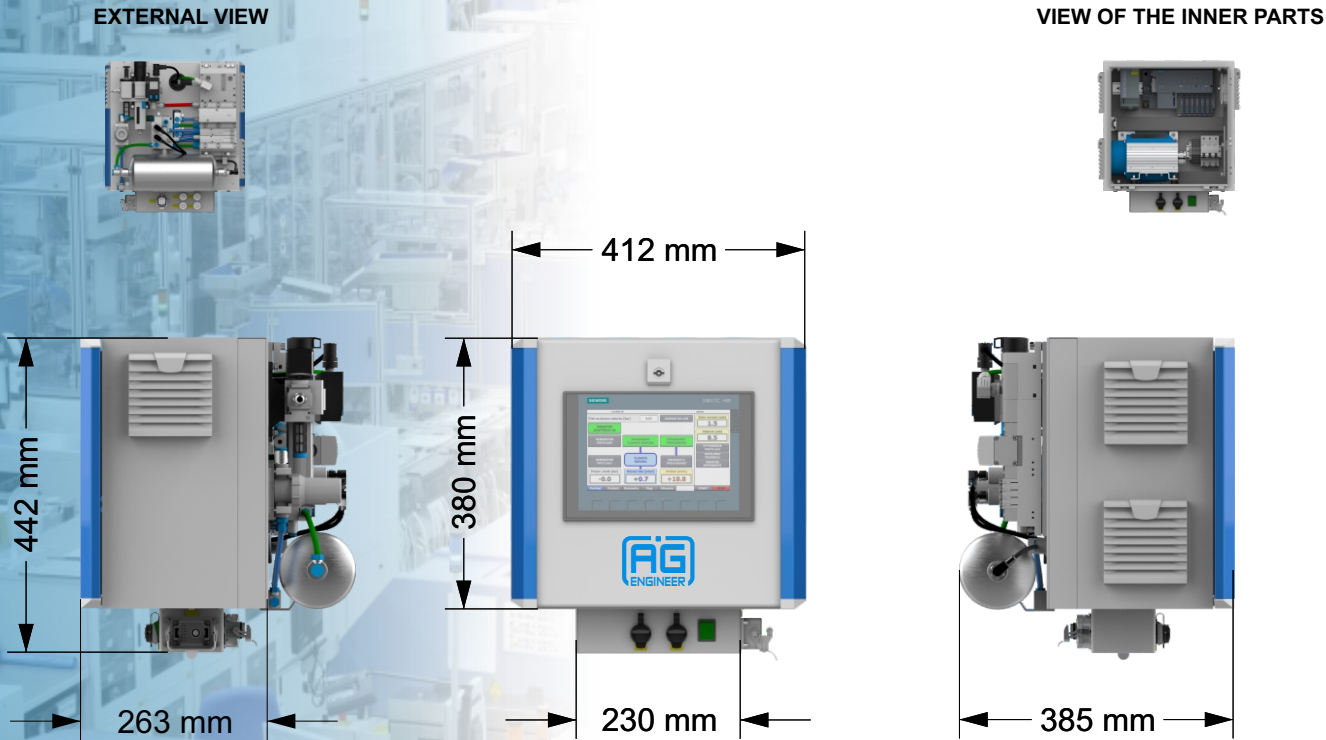
DIMENSIONS - LEAK TEST 2.0P



PROJECT DOCUMENTATION

- 1. DECLARATION OF CONFORMITY**  
PURSUANT TO GOVERNMENT REGULATION No. 436/2008 Coll., WITHIN THE MEANING OF THE EU MACHINERY DIRECTIVE 2006/42 / EC II.A, WITHIN THE MEANING OF THE EU LOW VOLTAGE DIRECTIVE 2014/35 / EC, WITHIN THE MEANING OF THE EU ELECTROMAGNETIC COMPATIBILITY 2014/30 / EC.
- 2. AUDIT REPORT**  
PROFESSIONAL INSPECTION, EXPERT EXAMINATION AND INSPECTION OF ELECTRICAL EQUIPMENT IN WHICH INSPECTION THE TECHNICIAN WILL CONFIRM WITH SIGNATURE THAT ALL EL. EQUIPMENT, INSULATION AND WIRES ARE OK.
- 3. STAFF TRAINING AND ISSUE OF THE PROTOCOL**  
WE OFFER PROFESSIONAL TRAINING FOR YOUR STAFF WITH PRACTICAL EXAMINATIONS OF SKILL SERVICE EQUIPMENT AFTER THEY WILL BE READY TO OPERATE THE EQUIPMENT.
- 4. BASIC SAFETY INSTRUCTIONS**  
DOCUMENT WITH BASIC PRINCIPLES ON THE USE OF THE EQUIPMENT. SUMMARY OF WARNINGS AND OTHER INSTRUCTIONS.
- 5. USER MANUAL**  
COMPLETE INSTRUCTIONS FOR SAFE WORKING WITH THE DEVICE. MANUAL WITH QUICK SOLUTIONS TO DIFFERENT SITUATIONS.
- 6. SETTING PARAMETERS OF THE DEVICE**  
LIST OF IMPORTANT SETTINGS PARAMETERS FOR THE CORRECT FUNCTIONING OF THE EQUIPMENT.
- 7 MECHANICAL DOCUMENTATION**  
THE DOCUMENTATION CONTAINS MAIN DRAWINGS WITH THE DIMENSIONS AND LISTS OF THE SPARE PARTS.

DIMENSIONS - LEAK TEST 2.0S



- 8. ELECTRICAL DOCUMENTATION - EPLAN**  
THE DOCUMENTATION CONTAINS THE EPLAN FILE WITH THE ELECTRIC SCHEMES OF WIRING.
- 9. PNEUMATIC SCHEME**  
THE DOCUMENTATION CONTAINS THE MAIN CONNECTIONS IN THE PNEUMATIC CIRCUIT AS WELL AS INDIVIDUAL BREAKDOWNS WITH PARTS USED IN THE EQUIPMENT.
- 10. RISK ASSESSMENT**  
A RISK ANALYSIS DOCUMENT IS PROVIDED TO IDENTIFY POSSIBLE INCREASING HAZARDOUS SITUATIONS AND THEIR SOLUTIONS.
- 11. MAINTENANCE SCHEDULE**  
DOCUMENT WITH A SPECIFIC SET OF ACTIVITIES REQUIRED AT A SPECIFIC INTERVAL PERFORM FOR A LONGER LIFETIME OF THE DEVICE.
- 12. LIST OF PARTS USED**  
DOCUMENT CONTAINING ALL PARTS USED IN THE EQUIPMENT, THEIR MANUFACTURERS, ORDER NUMBERS, NUMBER OF PARTS IN THE KIT, NUMBER OF SPARE PARTS AND THEIR STANDARDS IDENTIFICATION.
- 13. ADDITIONAL DOCUMENTATION**  
DATA SHEETS OF INDIVIDUAL PRODUCTS CONTAINING VARIOUS SETTINGS, DRAWINGS, DATA AND INSTRUCTIONS FOR THEIR COMMON USE.
- 14. SOFTWARE**  
SOFTWARE IS STANDARD FOR GENERAL USE OR ADJUSTED FOR THE SPECIFIC APPLICATION WITH GRAPHIC VISUALIZATION